

Converting Colors

XYZ(79.5989, 90.9637, 47.9056)

Have a look what the booklet for
XYZ(79.5989, 90.9637, 47.9056)
contains.

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Color

**XYZ(79.5079, 90.9720,
48.0192)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FAA3
RGB	248, 250, 163
RGB Percent	97%, 98%, 64%
CMY	0.0275, 0.0196, 0.3608
CMYK	0.01, 0.00, 0.35, 0.02
HSL	61°, 90%, 81%
HSV	61°, 35%, 98%
XYZ	79.5079, 90.9720, 48.0192
YIQ	239.4840, 26.7350, -27.4810

Conversions

Conversions Part 2

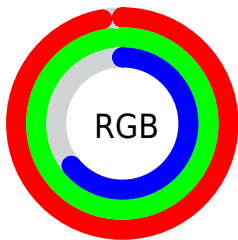
Format	Color
R_{YB}	163, 250, 165
Decimal	16317091
CIE _{Lab}	96.40, -13.36, 41.56
CIE _{LCh}	96, 43.650, 107.824
Yxy	90.9720, 0.3639, 0.4163
Android (android.graphics.Color)	4294507171 (0xFFFF8FAA3)
YUV	239.4840, -37.7066, 7.4685
Hunter-Lab	95.3792, -18.1165, 36.9156

Details

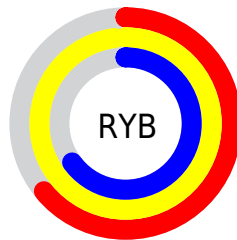
The XYZ color **79.5079, 90.9720, 48.0192** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.8729, 41.0981, 95.9627**, and the grayscale version is **82.6937, 87.0002, 94.7432**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **43.3415, 50.6565, 22.2452** is the 20% darker color. If you saturate the color by 10%, you get **77.2826, 90.0615, 37.3559**, and if you desaturate by 10%, it is **82.1812, 92.0682, 61.0184**.

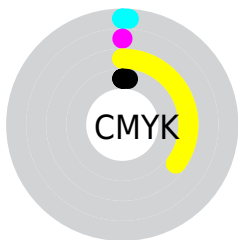
Distribution



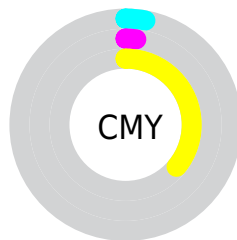
- Red (97%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)





- Cyan (3%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.5079, 90.9720, 48.0192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.5079, 90.9720, 48.0192 by changing the saturation by 10% instead.


 79.5079, 90.9720,
48.0192


 79.5079, 90.9720,
48.0192


482.0347,
531.1877, 395.3791

 59.6206, 68.7871,
33.4820


 131.6278,
148.6878, 88.5988

 43.3612, 50.5383,
22.2218


 164.5911,
184.9875, 115.4783

 30.3643, 35.8413,
13.8201

202.6437,
226.7609, 147.3090

 20.2647, 24.3117,
7.8583

246.1511,
274.3925, 184.5095

 12.6970, 15.5650,
3.9180

295.4785,
328.2665, 227.4981

 7.2958, 9.2169,
1.5804

350.9913,

 3.6957, 4.8829,

388.7675, 276.6936

0.2768

413.0549,
456.2797, 332.5144

■ 1.5315, 2.1787,
0.0000

■ 0.3471, 0.7084,
0.0000

■ 79.5079, 90.9720,
48.0192

■ 79.5079, 90.9720,
48.0192

■ 77.2826, 90.0615,
37.3559

■ 82.1812, 92.0682,
61.0184

■ 75.4722, 89.3139,
28.8847


■ 85.3199, 93.3474,
76.4744


■ 74.0502, 88.7216,
22.4548


■ 88.9484, 94.8226,
94.5070


■ 72.9837, 88.2717,
17.8941

■ 91.7717, 95.9758,
108.2960


 72.2348, 87.9488,
15.0023


 91.9790, 96.0826,
108.3057


 71.7566, 87.7343,
13.5332

 92.1868, 96.1898,
108.3155

 71.5797, 87.6515,
13.1458

 92.3953, 96.2972,
108.3252

 92.6045, 96.4051,
108.3350

 92.8142, 96.5132,
108.3448

Harmonies

Analogous

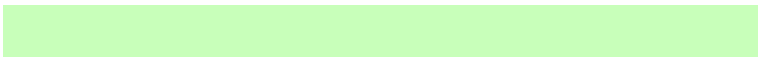
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4899, 90.9720, 46.9736



79.5079, 90.9720, 48.0192



70.2768, 90.9720, 60.5666

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.5079, 90.9720, 48.0192



71.7044, 90.9720, 157.3974



111.3828, 90.9720, 113.8521

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.5079, 90.9720, 48.0192



45.8729, 41.0981, 95.9627

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9685, 90.9720, 151.1324



79.5079, 90.9720, 48.0192



81.6298, 90.9720, 179.9442

Square

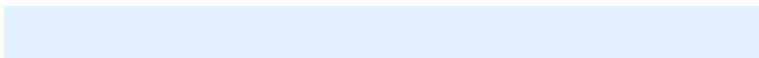
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5079, 90.9720, 48.0192



66.0704, 90.9720, 120.9858



93.8190, 90.9720, 177.4149



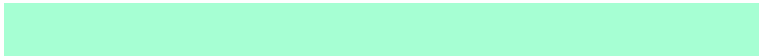
110.6788, 90.9720, 79.9454

Rectangle

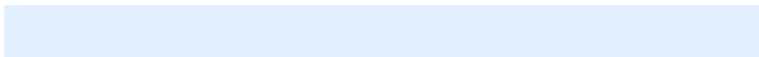
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5079, 90.9720, 48.0192



66.5791, 90.9720, 75.8755



93.8190, 90.9720, 177.4149



109.9646, 90.9720, 126.5266

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.5102, 90.9761, 48.0211



90.9968, 98.3538, 88.6834



59.3944, 49.6829, 41.1109



19.3642, 21.0059, 18.4216



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

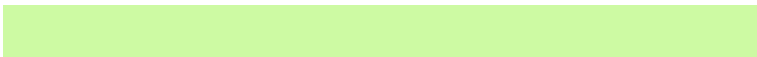
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5102, 90.9761, 48.0211



81.4347, 94.4496, 41.9140



65.9906, 84.0065, 47.3884



18.6855, 20.1692, 18.3706



37.9840, 46.4997, 6.9734



3.5302, 4.3130, 0.6464

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.8729, 41.0981, 95.9627



41.2700, 34.8876, 99.1666



56.3536, 46.5012, 96.4532



16.3200, 16.6621, 21.7412



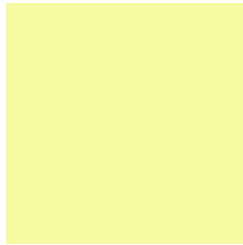
9.2072, 3.6892, 48.2004



0.8654, 0.3482, 4.4648

Previews

White Background



This preview shows how the XYZ color 79.5079, 90.9720, 48.0192 looks on a white background.

Color Contrast Check

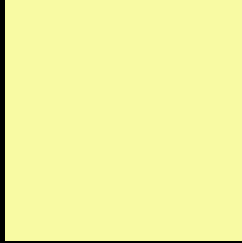
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.5079, 90.9720, 48.0192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

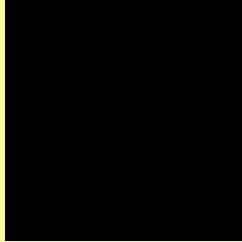
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.5079, 90.9720, 48.0192

Background



This preview shows how black text looks on a background with the XYZ color 79.5079, 90.9720, 48.0192.

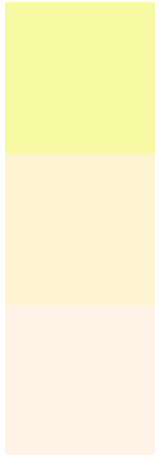


This preview shows how white text looks on a background with the XYZ color 79.5079, 90.9720,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.5079, 90.9720, 48.0192

Protanopia

85.0993, 90.5648, 73.3171

Deuteranopia

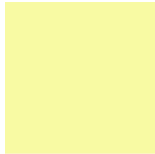
87.4159, 90.5338, 88.4688



Tritanopia

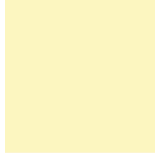
90.1297, 90.6720, 105.6796

Trichromacy



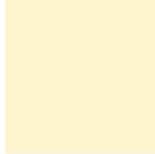
Original Color

79.5079, 90.9720, 48.0192



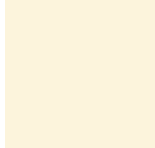
Protanomaly

82.6151, 90.4128, 62.9663



Deuteranomaly

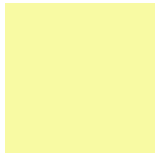
83.9379, 90.4565, 71.4284



Tritanomaly

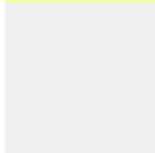
85.4138, 90.5641, 80.6890

Monochromacy



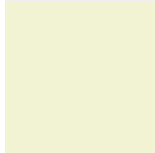
Original Color

79.5079, 90.9720, 48.0192



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.4264, 87.6816, 74.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.5079, 90.9720, 48.0192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(248, 250, 163)` looks like.

```
.text, #text, p{  
    color:rgb(248, 250, 163)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(248, 250, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 250, 163) }
```

Border

The CSS property to change the border of an element to XYZ 79.5079, 90.9720, 48.0192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 250, 163) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(248, 250, 163) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 250, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 250, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 250, 163);  
box-shadow:4px 4px 4px 4px rgb(248, 250,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 79.5079, 90.9720, 48.0192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 250, 163) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(248,  
250, 163) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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