

Converting Colors

XYZ(89.5239, 100.0000,
32.7402)

Have a look what the booklet for
XYZ(89.5239, 100.0000, 32.7402)
contains.

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Color

**XYZ(80.4512, 94.1605,
32.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF79
RGB	255, 255, 121
RGB Percent	100%, 100%, 47%
CMY	0.0000, 0.0000, 0.5255
CMYK	0.00, 0.00, 0.53, 0.00
HSL	60°, 100%, 74%
HSV	60°, 53%, 100%
XYZ	80.4512, 94.1605, 32.0237
YIQ	239.7240, 43.0140, -41.6740

Conversions

Conversions Part 2

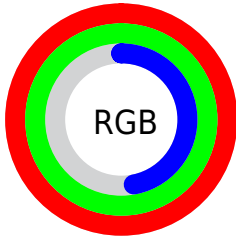
Format	Color
R_{YB}	121, 255, 121
Decimal	16777081
CIE Lab	97.70, -17.10, 63.02
CIE LCh	98, 65.303, 105.181
Yxy	94.1605, 0.3893, 0.4557
Android (android.graphics.Color)	4294967161 (0xFFFFFFFF79)
YUV	239.7240, -58.5309, 13.3971
Hunter-Lab	97.0363, -21.8222, 48.3587

Details

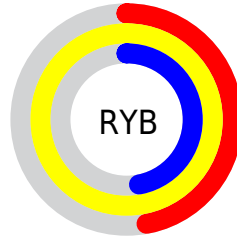
The XYZ color **80.4512, 94.1605, 32.0237** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.7736, 24.9609, 97.6983**, and the grayscale version is **83.0273, 87.3511, 95.1254**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **43.9424, 52.5173, 12.9751** is the 20% darker color. If you saturate the color by 10%, you get **79.0884, 93.6153, 24.8481**, and if you desaturate by 10%, it is **82.2275, 94.8710, 41.3781**.

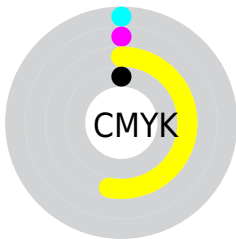
Distribution



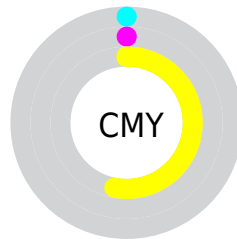
- Red (100%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4512, 94.1605, 32.0237 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 80.4512, 94.1605, 32.0237 by changing the saturation by 10% instead.

 80.4512, 94.1605,
32.0237

 80.4512, 94.1605,
32.0237


485.1655,
541.4739, 325.7233


 60.3995, 71.4365,
21.1146


 132.9471,
153.1043, 63.9466

 43.9914, 52.6985,
13.0158


 166.1220,
190.0928, 85.7975

 30.8616, 37.5621,
7.3085


 204.4019,
232.6050, 112.1327

 20.6448, 25.6430,
3.5744

248.1523,
281.0252, 143.3709

 12.9756, 16.5568,
1.3949

297.7386,
335.7377, 179.9305

 7.4886, 9.9190,
0.1377

353.5259,

 3.8185, 5.3453,

397.1271, 222.2300

0.0000

415.8798,
465.5777, 270.6881

■ 1.6000, 2.4512,
0.0000

■ 0.3924, 0.8521,
0.0000

■ 80.4512, 94.1605,
32.0237

■ 80.4512, 94.1605,
32.0237

■ 79.0884, 93.6153,
24.8481

■ 82.2275, 94.8710,
41.3781

■ 78.1054, 93.2221,
19.6720


■ 84.4467, 95.7587,
53.0641


■ 77.4639, 92.9655,
16.2942

■ 87.1358, 96.8343,
67.2248

■ 77.1173, 92.8269,
14.4691

■ 90.3198, 98.1079,
83.9910

 76.9997, 92.7798,
13.8500

 94.0216, 99.5886,
103.4843

95.0500, 100.0000,
108.9000

Harmonies

Analogous

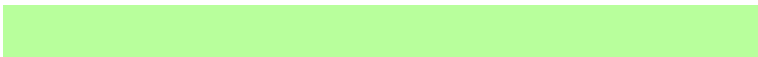
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.9628, 94.1605, 31.9467



80.4512, 94.1605, 32.0237



66.4422, 94.1605, 45.9337

Triad

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



80.4512, 94.1605, 32.0237



66.5732, 94.1605, 193.7311



128.7301, 94.1605, 131.0279

Complementary

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



80.4512, 94.1605, 32.0237



32.7736, 24.9609, 97.6983

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.



117.3486, 94.1605, 193.0334



80.4512, 94.1605, 32.0237



80.6544, 94.1605, 236.9027

Square

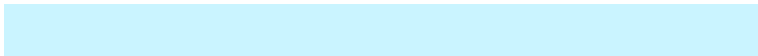
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4512, 94.1605, 32.0237



59.2185, 94.1605, 131.7645



99.1961, 94.1605, 236.6104



128.6557, 94.1605, 77.9662

Rectangle

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



80.4512, 94.1605, 32.0237



60.7935, 94.1605, 65.2495



99.1961, 94.1605, 236.6104



126.0546, 94.1605, 151.8283

Sweetspot

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



80.4513, 94.1605, 32.0249



89.1631, 97.6452, 77.9003



51.5292, 36.3162, 22.3842



18.9432, 20.8435, 15.9292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

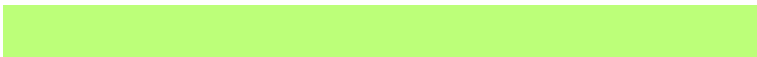
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4513, 94.1605, 32.0249



79.0359, 93.5944, 24.5721



59.9509, 83.5922, 31.0655



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



32.7736, 24.9609, 97.6983



26.7360, 17.6861, 96.6123



45.6273, 31.5873, 98.2999



17.0031, 17.3778, 22.7080



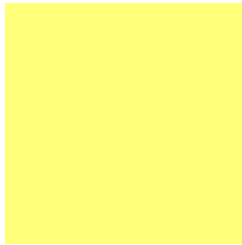
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.4512, 94.1605, 32.0237 looks on a white background.

Color Contrast Check

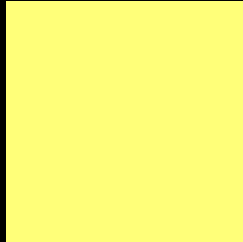
Large Text (above 18pt) WCAG AA × Fail

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 80.4512, 94.1605, 32.0237 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 80.4512, 94.1605, 32.0237

Background



This preview shows how black text looks on a background with the XYZ color 80.4512, 94.1605, 32.0237.



This preview shows how white text looks on a background with the XYZ color 80.4512, 94.1605,

Color Blindness Simulation

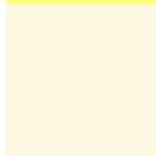
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



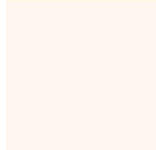
Original Color

80.4512, 94.1605, 32.0237



Protanopia

88.3980, 93.8310, 84.6863



Deuteranopia

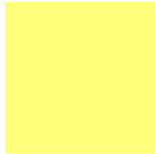
90.0808, 94.0135, 95.0600



Tritanopia

91.7665, 94.1998, 105.4412

Trichromacy



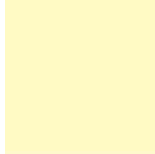
Original Color

80.4512, 94.1605, 32.0237



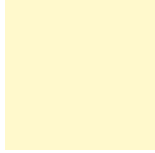
Protanomaly

84.7068, 93.8422, 60.6625



Deuteranomaly

85.3894, 93.6167, 65.7939



Tritanomaly

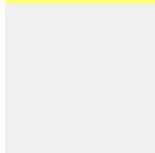
86.0148, 93.3710, 70.6157

Monochromacy



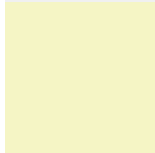
Original Color

80.4512, 94.1605, 32.0237



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.3866, 88.7485, 65.7167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4512, 94.1605, 32.0237 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(255, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 121)  
}
```

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(255, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 80.4512, 94.1605, 32.0237 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(255, 255, 121) }
```


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

```
.border{ border-color:rgb(255, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4512, 94.1605, 32.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 121) }
```

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

```
.background{ background-color: rgb(255,  
255, 121) }
```

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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