

Converting Colors

XYZ(47.6002, 50.5942, 79.9299)

Have a look what the booklet for
XYZ(47.6002, 50.5942, 79.9299)
contains.

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Color

**XYZ(47.6002, 50.5942,
79.9299)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BFE3
RGB	163, 191, 227
RGB Percent	64%, 75%, 89%
CMY	0.3608, 0.2510, 0.1098
CMYK	0.28, 0.16, 0.00, 0.11
HSL	214°, 53%, 76%
HSV	214°, 28%, 89%
XYZ	47.6002, 50.5942, 79.9299
YIQ	186.7320, -28.2440, 5.2600

Conversions

Conversions Part 2

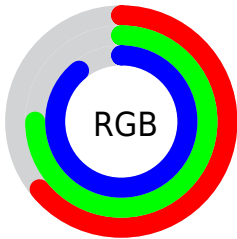
Format	Color
R_{YB}	163, 182, 227
Decimal	10731491
CIE _{Lab}	76.43, -1.35, -21.05
CIE _{LCh}	76, 21.095, 266.324
Yxy	50.5942, 0.2672, 0.2840
Android (android.graphics.Color)	4288921571 (0xFFA3BFE3)
YUV	186.7320, 19.8521, -20.8130
Hunter-Lab	71.1296, -5.0239, -16.8348

Details

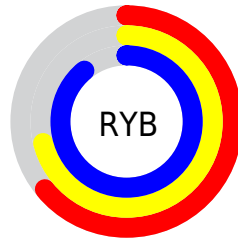
The XYZ color **47.6002, 50.5942, 79.9299** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.7136, 59.8226, 43.1041**, and the grayscale version is **46.9876, 49.4346, 53.8343**.

A 20% lighter version of the original color is **80.5242, 88.8016, 107.5041**, and **22.9653, 24.4705, 42.5426** is the 20% darker color. If you saturate the color by 10%, you get **40.6989, 43.0825, 78.8446**, and if you desaturate by 10%, it is **55.5817, 59.0255, 81.1375**.

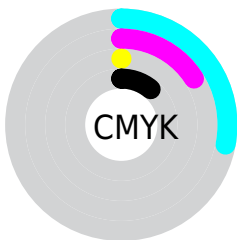
Distribution



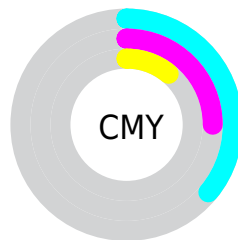
- Red (64%)
- Green (75%)
- Blue (89%)



- Red (64%)
- Yellow (71%)
- Blue (89%)



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6002, 50.5942, 79.9299 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 47.6002, 50.5942, 79.9299 by changing the saturation by 10% instead.

■ 47.6002, 50.5942,
79.9299

■ 47.6002, 50.5942,
79.9299

367.8142,
388.9851, 514.3971

■ 33.7203, 35.8858,
59.1348

■ 85.8221, 91.0547,
135.0777

■ 22.8407, 24.3460,
42.3010

■ 110.8949,
117.5754, 170.2675

■ 14.5960, 15.5905,
29.0097

140.4294,
148.8025, 211.0926

■ 8.6208, 9.2348,
18.8425

174.7909,
185.1202, 257.9716

■ 4.5498, 4.8947,
11.3809

214.3447,
226.9129, 311.3230

■ 2.0176, 2.1856,
6.2062

259.4564,

■ 0.6438, 0.7121,

274.5650, 371.5654

2.9001

310.4911,
328.4609, 439.1172

■ 0.0000, 0.0000,
1.0438

■ 0.0000, 0.0000,
0.0000

■ 47.6002, 50.5942,
79.9299

■ 47.6002, 50.5942,
79.9299

■ 40.6989, 43.0825,
78.8446

■ 55.5817, 59.0255,
81.1375

■ 34.8222, 36.4491,
77.8739

■ 64.6858, 68.4036,
82.4678

■ 29.9165, 30.6578,
77.0147

■ 74.9584, 78.7618,
83.9257

■ 25.9209, 25.6676,
76.2621

■ 86.4415, 90.1299,
85.5148

■ 22.7667, 21.4324,
75.6108

■ 90.8159, 98.2273,
86.8472

■ 20.3740, 17.9002,
75.0552

■ 90.8653, 98.3261,
86.8636

■ 18.6313, 15.0020,
74.5876

■ 18.3574, 14.5303,
74.5110

Harmonies

Analogous

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



43.9760, 50.5942, 75.3721



47.6002, 50.5942, 79.9299



51.5556, 50.5942, 77.1139

Triad

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



47.6002, 50.5942, 79.9299



55.2646, 50.5942, 45.9460



42.0077, 50.5942, 43.8270

Complementary

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



47.6002, 50.5942, 79.9299



58.7136, 59.8226, 43.1041

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.



44.7800, 50.5942, 37.7155



47.6002, 50.5942, 79.9299



52.4493, 50.5942, 38.8155

Square

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



47.6002, 50.5942, 79.9299



56.1208, 50.5942, 56.5030



48.5797, 50.5942, 36.0145



40.8613, 50.5942, 53.6978

Rectangle

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



47.6002, 50.5942, 79.9299



53.8270, 50.5942, 71.6184



48.5797, 50.5942, 36.0145



42.7726, 50.5942, 41.3204

Sweetspot

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



47.6018, 50.5962, 79.9311



84.3871, 89.2303, 107.3832



52.7906, 66.8122, 63.6620



17.6569, 18.6854, 22.9260



0.0000, 0.0000, 0.0000



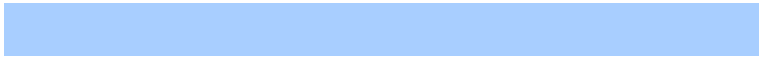
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6018, 50.5962, 79.9311



56.3899, 59.8329, 103.1846



42.7315, 39.8705, 78.1175



14.0990, 14.9195, 18.2810



10.8176, 8.6972, 43.4918



0.8905, 0.8249, 3.2443

Inverse Universe

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



54.1810, 46.2883, 55.3713



66.4670, 53.8437, 65.4310



64.7594, 73.3988, 45.4059



14.6376, 14.4722, 16.2919



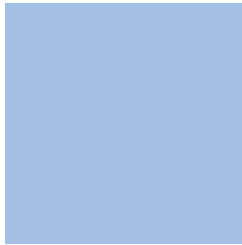
19.8537, 10.0757, 8.1246



1.5131, 0.7630, 0.8425

Previews

White Background



This preview shows how the XYZ color 47.6002, 50.5942, 79.9299 looks on a white background.

Color Contrast Check

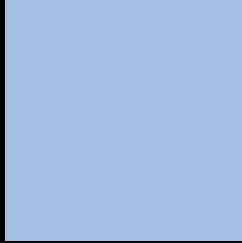
Large Text (above 18pt) WCAG AA × Fail

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 47.6002, 50.5942, 79.9299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

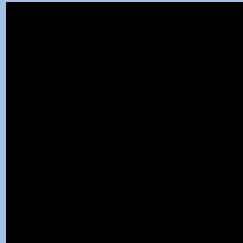
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

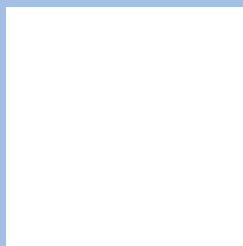
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6002, 50.5942, 79.9299

Background



This preview shows how black text looks on a background with the XYZ color 47.6002, 50.5942, 79.9299.



This preview shows how white text looks on a background with the XYZ color 47.6002, 50.5942,

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

47.6002, 50.5942, 79.9299

Protanopia

49.8358, 50.2029, 77.5845

Deuteranopia

51.3938, 50.3215, 80.4031



Tritanopia

45.2227, 50.6076, 68.3575

Trichromacy



Original Color

47.6002, 50.5942, 79.9299

Protanomaly

49.0294, 50.4014, 78.3785

Deuteranomaly

50.1340, 50.6071, 80.5246

Tritanomaly

45.9618, 50.5714, 72.3046

Monochromacy



Original Color

47.6002, 50.5942, 79.9299

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0040, 49.6957, 62.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6002, 50.5942, 79.9299 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(163, 191, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 191, 227)  
}
```

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(163, 191, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 191, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.6002, 50.5942, 79.9299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

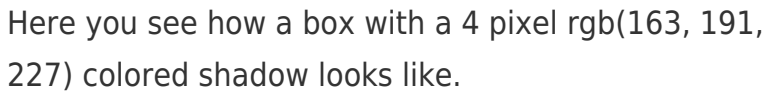
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 191, 227) }
```


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

```
.border{ border-color:rgb(163, 191, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 191, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 191, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 191, 227); box-shadow:4px 4px 4px 4px rgb(163, 191, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6002, 50.5942, 79.9299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 191, 227) }
```

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

```
.background{ background-color: rgb(163,  
191, 227) }
```

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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