

Converting Colors

XYZ(47.4590, 59.5630, 98.8681)

Have a look what the booklet for
XYZ(47.4590, 59.5630, 98.8681)
contains.

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Color

**XYZ(47.5371, 59.7491,
98.6498)**

Conversions

Conversions Part 1

Format	Color
Hex	65DAF9
RGB	101, 218, 249
RGB Percent	40%, 85%, 98%
CMY	0.6039, 0.1451, 0.0235
CMYK	0.59, 0.12, 0.00, 0.02
HSL	193°, 93%, 69%
HSV	193°, 59%, 98%
XYZ	47.5371, 59.7491, 98.6498
YIQ	186.5510, -79.6830, -15.1630

Conversions

Conversions Part 2

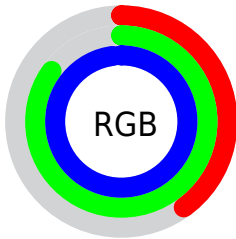
Format	Color
RYB	101, 166, 249
Decimal	6675193
CIELab	81.70, -24.24, -25.08
CIELCh	82, 34.876, 225.972
Yxy	59.7491, 0.2308, 0.2901
Android (android.graphics.Color)	4284865273 (0xFF65DAF9)
YUV	186.5510, 30.7874, -75.0282
Hunter-Lab	77.2975, -25.4952, -21.5597

Details

The XYZ color **47.5371, 59.7491, 98.6498** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **49.6687, 37.5837, 16.9503**, and the grayscale version is **46.8477, 49.2875, 53.6741**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **22.7776, 30.0857, 54.4758** is the 20% darker color. If you saturate the color by 10%, you get **43.8290, 55.8624, 98.0961**, and if you desaturate by 10%, it is **52.1358, 64.1606, 99.2600**.

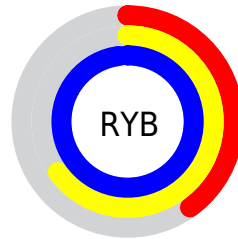
Distribution



Red (40%)

Green (85%)

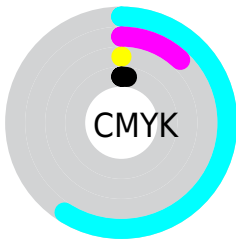
Blue (98%)



Red (40%)

Yellow (65%)

Blue (98%)

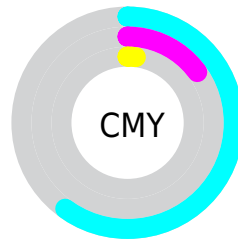


Cyan (59%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5371, 59.7491, 98.6498 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 47.5371, 59.7491, 98.6498 by changing the saturation by 10% instead.

47.5371, 59.7491,
98.6498

47.5371, 59.7491,
98.6498

367.5676,
423.6723, 577.0647

33.6702, 43.2164,
74.5628

85.7287, 104.4656,
161.3361

22.8020, 30.0550,
54.7552

110.7840,
133.4183, 200.7725

14.5673, 19.8803,
38.8085

140.2996,
167.2797, 246.1625

8.6006, 12.3081,
26.3041

174.6407,
206.4343, 297.9246

4.5366, 6.9539,
16.8235

214.1726,
251.2665, 356.4773

2.0100, 3.4333,
9.9481

259.2609,

0.6395, 1.3619,

302.1606, 422.2392

5.2594

310.2707,
359.5011, 495.6288

■ 0.0000, 0.1884,
2.3389

■ 0.0000, 0.0000,
0.7529

■ 47.5371, 59.7491,
98.6498

■ 47.5371, 59.7491,
98.6498

■ 43.8290, 55.8624,
98.0961

■ 52.1358, 64.1606,
99.2600

■ 40.9266, 52.4524,
97.5909

■ 57.6889, 69.1266,
99.9259

■ 38.7374, 49.4721,
97.1311

■ 64.2607, 74.6821,
100.6518

■ 37.1151, 46.8456,
96.7096

■ 71.9082, 80.8569,
101.4406

■ 37.0306, 46.7027,
96.6865

■ 80.6840, 87.6788,
102.2949

■ 90.6371, 95.1736,
103.2169

■ 93.9434, 99.3083,
103.8407

■ 94.0991, 99.6196,
103.8926

Harmonies

Analogous

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



44.2763, 59.7491, 76.8211



47.5371, 59.7491, 98.6498



53.4378, 59.7491, 112.6618

Triad

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



47.5371, 59.7491, 98.6498



71.6077, 59.7491, 75.3514



52.9951, 59.7491, 33.4278

Complementary

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



47.5371, 59.7491, 98.6498



49.6687, 37.5837, 16.9503

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.



60.2790, 59.7491, 33.2007



47.5371, 59.7491, 98.6498



71.4632, 59.7491, 54.5591

Square

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



47.5371, 59.7491, 98.6498



67.5505, 59.7491, 97.3760



67.1712, 59.7491, 40.1134



47.2371, 59.7491, 40.8197

Rectangle

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



47.5371, 59.7491, 98.6498



58.2704, 59.7491, 114.0894



67.1712, 59.7491, 40.1134



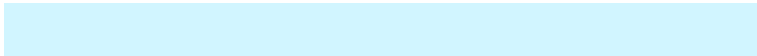
55.3344, 59.7491, 32.5752

Sweetspot

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



47.5390, 59.7513, 98.6512



77.1421, 86.3286, 107.2050



43.3138, 72.1474, 32.9760



15.9719, 18.0505, 22.8922



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.



47.5390, 59.7513, 98.6512



45.7032, 58.3399, 103.4597



32.6542, 29.9817, 93.6896



17.4391, 18.9550, 22.1248



19.9281, 25.2117, 51.7896



1.9203, 2.4843, 4.8215

Inverse Universe

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



56.3771, 34.5109, 70.0218



56.2200, 31.1647, 68.7513



63.1532, 64.5527, 21.4452



17.8282, 17.4586, 20.9509



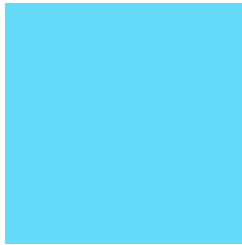
26.3508, 12.9560, 29.6194



2.4782, 1.2150, 2.9417

Previews

White Background



This preview shows how the XYZ color 47.5371, 59.7491, 98.6498 looks on a white background.

Color Contrast Check

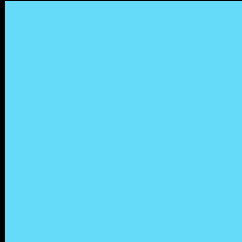
Large Text (above 18pt) WCAG AA × Fail

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 47.5371, 59.7491, 98.6498 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 47.5371, 59.7491, 98.6498

Background



This preview shows how black text looks on a background with the XYZ color 47.5371, 59.7491, 98.6498.



This preview shows how white text looks on a background with the XYZ color 47.5371, 59.7491,

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

47.5371, 59.7491, 98.6498

Protanopia

58.4460, 59.0251, 88.4333

Deuteranopia

60.4294, 59.0821, 101.1475



Tritanopia

45.8497, 59.8462, 90.0239

Trichromacy



Original Color

47.5371, 59.7491, 98.6498

Protanomaly

52.8879, 58.5536, 91.7336

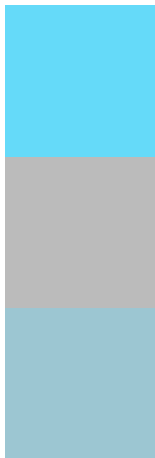
Deuteranomaly

54.1000, 58.2680, 100.4909

Tritanomaly

46.3955, 59.6705, 93.0767

Monochromacy



Original Color

47.5371, 59.7491, 98.6498

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.5372, 52.1092, 68.6308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5371, 59.7491, 98.6498 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(101, 218, 249)` looks like.

```
.text, #text, p{  
    color:rgb(101, 218, 249)  
}
```

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(101, 218, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 218, 249) }
```

Border

The CSS property to change the border of an element to XYZ 47.5371, 59.7491, 98.6498 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(101, 218, 249) }
```


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

```
.border{ border-color:rgb(101, 218, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 218, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 218, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 218, 249);  
box-shadow:4px 4px 4px 4px rgb(101, 218,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5371, 59.7491, 98.6498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 218, 249) }
```

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

```
.background{ background-color: rgb(101,  
218, 249) }
```

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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