

Converting Colors

XYZ(42.3675, 44.8949, 96.0617)

Have a look what the booklet for
XYZ(42.3675, 44.8949, 96.0617)
contains.

XYZ(42.4898, 45.0665, 96.0818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4898, 45.0665,
96.0818)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB7F9
RGB	125, 183, 249
RGB Percent	49%, 72%, 98%
CMY	0.5098, 0.2823, 0.0235
CMYK	0.50, 0.27, 0.00, 0.02
HSL	212°, 91%, 73%
HSV	212°, 50%, 98%
XYZ	42.4898, 45.0665, 96.0818
YIQ	173.1820, -55.7540, 8.2300

Conversions

Conversions Part 2

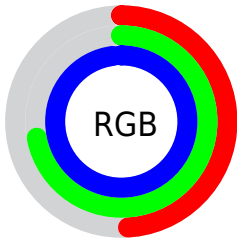
Format	Color
RYB	125, 165, 249
Decimal	8239097
CIELab	72.94, -1.03, -38.50
CIELCh	73, 38.510, 268.466
Yxy	45.0665, 0.2314, 0.2454
Android (android.graphics.Color)	4286429177 (0xFF7DB7F9)
YUV	173.1820, 37.3783, -42.2556
Hunter-Lab	67.1316, -4.5017, -37.8665

Details

The XYZ color **42.4898, 45.0665, 96.0818** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.4010, 58.8840, 27.5335**, and the grayscale version is **39.6504, 41.7153, 45.4280**.

A 20% lighter version of the original color is **68.4449, 79.0203, 106.2527**, and **19.6770, 20.8949, 52.8652** is the 20% darker color. If you saturate the color by 10%, you get **36.6940, 38.2105, 95.0648**, and if you desaturate by 10%, it is **49.4571, 52.9102, 97.2294**.

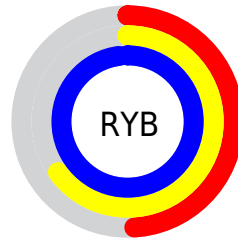
Distribution



Red (49%)

Green (72%)

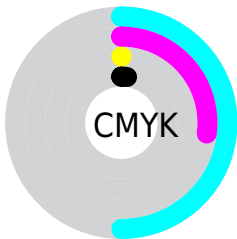
Blue (98%)



Red (49%)

Yellow (65%)

Blue (98%)

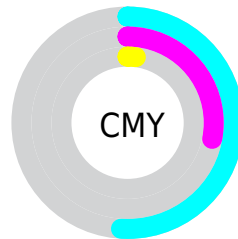


Cyan (50%)

Magenta (27%)

Yellow (0%)

Black (2%)



Cyan (51%)

Magenta (28%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4898, 45.0665, 96.0818 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 42.4898, 45.0665, 96.0818 by changing the saturation by 10% instead.

■ 42.4898, 45.0665,
96.0818

■ 42.4898, 45.0665,
96.0818

347.4665,
367.0428, 568.6950

■ 29.6778, 31.5098,
72.4338

■ 78.2009, 82.8202,
157.7667

■ 19.7410, 20.9874,
53.0241

■ 101.8307,
107.7860, 196.6408

■ 12.3141, 13.1148,
37.4342

■ 129.7972,
137.3236, 241.4272

■ 7.0317, 7.5076,
25.2454

162.4656,
171.8174, 292.5447

■ 3.5284, 3.7815,
16.0393

200.2014,
211.6519, 350.4116

■ 1.4390, 1.5521,
9.3973

243.3699,

■ 0.2837, 0.3250,

257.2113, 415.4467

4.9009

292.3365,
308.8802, 488.0683

■ 0.0000, 0.0000,
2.1315

■ 0.0000, 0.0000,
0.6344

■ 42.4898, 45.0665,
96.0818

■ 42.4898, 45.0665,
96.0818

■ 36.6940, 38.2105,
95.0648

■ 49.4571, 52.9102,
97.2294

■ 31.9887, 32.2875,
94.1695

■ 57.6604, 61.7825,
98.5096

■ 28.2885, 27.2433,
93.3909

■ 67.1644, 71.7273,
99.9282

■ 25.4912, 23.0139,
92.7220

■ 78.0279, 82.7843,
101.4899

■ 23.4359, 19.5040,
92.1528

■ 90.3058, 94.9908,
103.1988

■ 23.3984, 19.4383,
92.1422

■ 94.0990, 99.6196,
103.8924

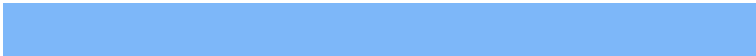
Harmonies

Analogous

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



36.4314, 45.0665, 87.8076



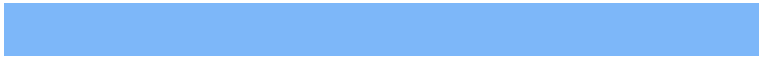
42.4898, 45.0665, 96.0818



49.2867, 45.0665, 89.2740

Triad

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



42.4898, 45.0665, 96.0818



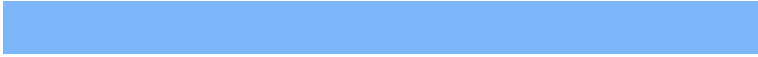
55.2144, 45.0665, 33.4732



32.7467, 45.0665, 32.1627

Complementary

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



42.4898, 45.0665, 96.0818



61.4010, 58.8840, 27.5335

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.



36.9713, 45.0665, 23.2165



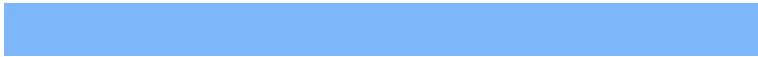
42.4898, 45.0665, 96.0818



49.9467, 45.0665, 23.8224

Square

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



42.4898, 45.0665, 96.0818



57.0781, 45.0665, 50.0659



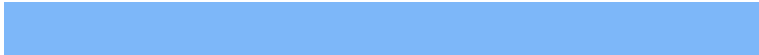
43.1808, 45.0665, 20.6142



31.1824, 45.0665, 48.0870

Rectangle

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



42.4898, 45.0665, 96.0818



53.2425, 45.0665, 77.8921



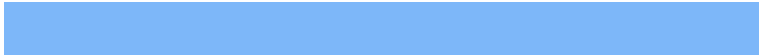
43.1808, 45.0665, 20.6142



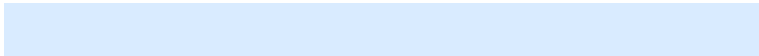
33.8795, 45.0665, 28.4116

Sweetspot

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



42.4914, 45.0681, 96.0829



76.1966, 81.1447, 106.2542



51.5272, 75.7896, 60.0970



15.7997, 16.8479, 22.6692



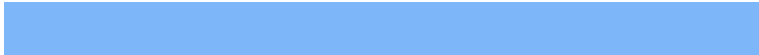
0.0000, 0.0000, 0.0000



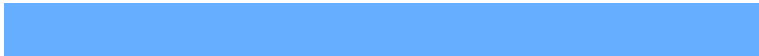
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4914, 45.0681, 96.0829



38.5814, 40.1486, 100.3237



33.1965, 26.0258, 92.8972



16.9524, 17.9816, 21.9626



12.6640, 10.6836, 49.3682



1.2779, 1.1996, 4.6074

Inverse Universe

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



54.9492, 38.2276, 49.2838



53.5889, 33.8017, 43.5217



75.9127, 88.9951, 32.5806



17.5825, 17.3604, 19.6571



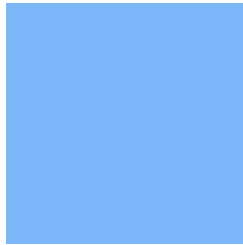
22.6842, 11.4894, 10.3116



2.1540, 1.0853, 1.2342

Previews

White Background



This preview shows how the XYZ color 42.4898, 45.0665, 96.0818 looks on a white background.

Color Contrast Check

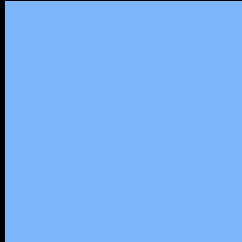
Large Text (above 18pt) WCAG AA × Fail

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 42.4898, 45.0665, 96.0818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

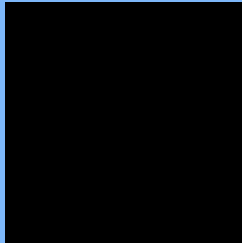
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

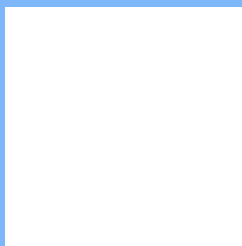
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4898, 45.0665, 96.0818

Background



This preview shows how black text looks on a background with the XYZ color 42.4898, 45.0665, 96.0818.



This preview shows how white text looks on a background with the XYZ color 42.4898, 45.0665,

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

42.4898, 45.0665, 96.0818

Protanopia

45.8035, 44.7908, 91.0254

Deuteranopia

45.9175, 44.7251, 96.6552



Tritanopia

36.3269, 45.0973, 65.1825

Trichromacy



Original Color

42.4898, 45.0665, 96.0818

Protanomaly

44.4556, 44.9438, 92.7182

Deuteranomaly

44.7031, 44.9820, 96.7688

Tritanomaly

38.3705, 44.9534, 75.7618

Monochromacy



Original Color

42.4898, 45.0665, 96.0818

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.9751, 42.7292, 61.3990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4898, 45.0665, 96.0818 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(125, 183, 249)` looks like.

```
.text, #text, p{  
    color:rgb(125, 183, 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(125, 183, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 183, 249) }
```

Border

The CSS property to change the border of an element to XYZ 42.4898, 45.0665, 96.0818 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(125, 183, 249) }
```


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

```
.border{ border-color:rgb(125, 183, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 183, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 183, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 183, 249);  
box-shadow:4px 4px 4px 4px rgb(125, 183,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4898, 45.0665, 96.0818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 183, 249) }
```

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

```
.background{ background-color: rgb(125,  
183, 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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