

Converting Colors

XYZ(42.4448, 45.4720, 66.1399)

Have a look what the booklet for
XYZ(42.4448, 45.4720, 66.1399)
contains.

XYZ(42.4112, 45.3809, 66.1986)	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(42.4112, 45.3809,
66.1986)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB6D0
RGB	159, 182, 208
RGB Percent	62%, 71%, 82%
CMY	0.3765, 0.2863, 0.1843
CMYK	0.24, 0.12, 0.00, 0.18
HSL	212°, 34%, 72%
HSV	212°, 24%, 82%
XYZ	42.4112, 45.3809, 66.1986
YIQ	178.0870, -22.0540, 3.2100

Conversions

Conversions Part 2

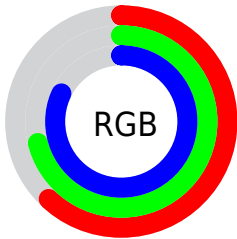
Format	Color
RYB	159, 175, 208
Decimal	10467024
CIELab	73.14, -2.16, -15.74
CIELCh	73, 15.885, 262.200
Yxy	45.3809, 0.2754, 0.2947
Android (android.graphics.Color)	4288657104 (0xFF9FB6D0)
YUV	178.0870, 14.7471, -16.7393
Hunter-Lab	67.3653, -5.5111, -11.1074

Details

The XYZ color **42.4112, 45.3809, 66.1986** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.6199, 50.6112, 39.9557**, and the grayscale version is **42.2968, 44.4996, 48.4600**.

A 20% lighter version of the original color is **76.3561, 82.6652, 106.5393**, and **19.7464, 21.1594, 33.6153** is the 20% darker color. If you saturate the color by 10%, you get **36.4569, 39.0883, 65.2986**, and if you desaturate by 10%, it is **49.2405, 52.3912, 67.1925**.

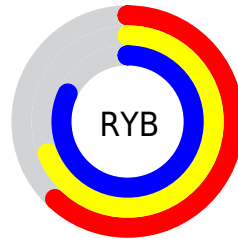
Distribution



Red (62%)

Green (71%)

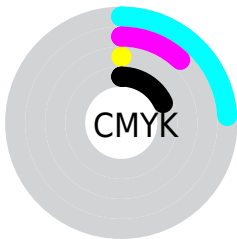
Blue (82%)



Red (62%)

Yellow (69%)

Blue (82%)

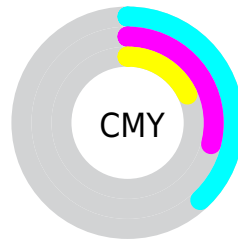


Cyan (24%)

Magenta (12%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4112, 45.3809, 66.1986 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 42.4112, 45.3809, 66.1986 by changing the saturation by 10% instead.

■ 42.4112, 45.3809,
66.1986

■ 42.4112, 45.3809,
66.1986

347.1474,
368.3140, 465.5104

■ 29.6159, 31.7576,
47.9761

■ 78.0828, 83.2917,
115.4010

■ 19.6939, 21.1764,
33.4481

■ 101.6899,
108.3479, 147.2181

■ 12.2797, 13.2530,
22.1960

129.6317,
137.9839, 184.4038

■ 7.0080, 7.6030,
13.8013

162.2734,
172.5841, 227.3766

■ 3.5135, 3.8420,
7.8454

199.9805,
212.5328, 276.5552

■ 1.4308, 1.5856,
3.9099

243.1183,

■ 0.2780, 0.3478,

258.2144, 332.3580

1.5760

292.0521,
310.0133, 395.2035

■ 0.0000, 0.0000,
0.2736

■ 0.0000, 0.0000,
0.0000

■ 42.4112, 45.3809,
66.1986

■ 42.4112, 45.3809,
66.1986

■ 36.4569, 39.0883,
65.2986

■ 49.2405, 52.3912,
67.1925

■ 31.3346, 33.4819,
64.4864

■ 56.9769, 60.1384,
68.2801

■ 27.0037, 28.5356,
63.7599

■ 65.6558, 68.6474,
69.4651

■ 23.4185, 24.2193,
63.1158

■ 75.3095, 77.9404,
70.7500

■ 20.5276, 20.4997,
62.5502

■ 82.9627, 86.4890,
71.9967

■ 18.2726, 17.3395,
62.0591

■ 86.2603, 93.0841,
73.0959

■ 16.5836, 14.6954,
61.6377

■ 88.3853, 97.3341,
73.8042

■ 15.7195, 13.2225,
61.3990

Harmonies

Analogous

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



39.9367, 45.3809, 62.5335



42.4112, 45.3809, 66.1986



45.1862, 45.3809, 64.9980

Triad

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



42.4112, 45.3809, 66.1986



48.2783, 45.3809, 43.8464



39.0427, 45.3809, 40.6040

Complementary

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



42.4112, 45.3809, 66.1986



49.6199, 50.6112, 39.9557

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.



41.1433, 45.3809, 36.5410



42.4112, 45.3809, 66.1986



46.4958, 45.3809, 38.2680

Square

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



42.4112, 45.3809, 66.1986



48.6534, 45.3809, 51.5207



43.8633, 45.3809, 35.7342



38.0472, 45.3809, 47.3618

Rectangle

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



42.4112, 45.3809, 66.1986



46.8273, 45.3809, 61.6531



43.8633, 45.3809, 35.7342



39.6386, 45.3809, 38.9091

Sweetspot

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



42.4126, 45.3827, 66.1996



85.8379, 90.8759, 107.6244



45.5399, 55.9576, 53.9233



18.2103, 19.2888, 23.0133



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.



42.4126, 45.3827, 66.1996



62.5645, 67.0471, 104.2516



38.2449, 36.8062, 64.7639



11.6147, 12.3196, 15.0094



9.8922, 8.4309, 38.2985



0.6322, 0.6296, 2.1678

Inverse Universe

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



46.8552, 41.5847, 49.8151



70.8371, 60.3909, 73.6486



54.5981, 60.9076, 41.6807



12.0364, 11.8993, 13.4675



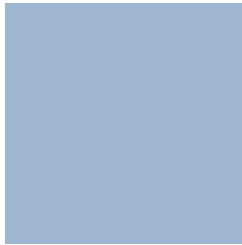
17.6238, 8.9224, 8.1913



1.0253, 0.5149, 0.6683

Previews

White Background



This preview shows how the XYZ color 42.4112, 45.3809, 66.1986 looks on a white background.

Color Contrast Check

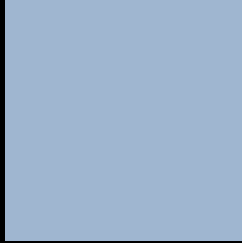
Large Text (above 18pt) WCAG AA × Fail

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 42.4112, 45.3809, 66.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

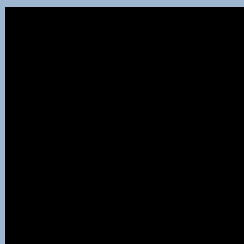
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

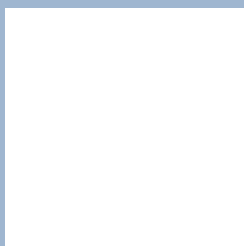
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4112, 45.3809, 66.1986

Background



This preview shows how black text looks on a background with the XYZ color 42.4112, 45.3809, 66.1986.



This preview shows how white text looks on a background with the XYZ color 42.4112, 45.3809,

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

42.4112, 45.3809, 66.1986

Protanopia

44.6190, 45.3625, 64.1618

Deuteranopia

46.1300, 45.2085, 66.6164



Tritanopia

41.2382, 45.5263, 60.0401

Trichromacy



Original Color

42.4112, 45.3809, 66.1986

Protanomaly

43.6229, 45.1314, 64.8046

Deuteranomaly

44.8846, 45.4429, 66.7273

Tritanomaly

41.6947, 45.4003, 62.4427

Monochromacy



Original Color

42.4112, 45.3809, 66.1986

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.1000, 44.5722, 54.5285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4112, 45.3809, 66.1986 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(159, 182, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 182, 208)  
}
```

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(159, 182, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 182, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.4112, 45.3809, 66.1986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

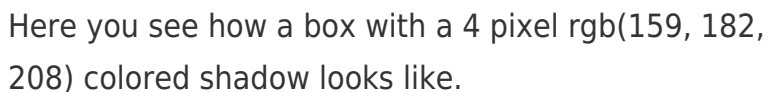
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 182, 208) }
```


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

```
.border{ border-color:rgb(159, 182, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 182, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 182, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 182, 208); box-shadow:4px 4px 4px 4px rgb(159, 182, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4112, 45.3809, 66.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 182, 208) }
```

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

```
.background{ background-color: rgb(159,  
182, 208) }
```

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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