

Converting Colors

XYZ(42.0166, 45.1664, 49.0684)

Have a look what the booklet for
XYZ(42.0166, 45.1664, 49.0684)
contains.

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Color

**XYZ(42.1161, 45.3011,
49.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB5B3
RGB	174, 181, 179
RGB Percent	68%, 71%, 70%
CMY	0.3176, 0.2902, 0.2980
CMYK	0.04, 0.00, 0.01, 0.29
HSL	163°, 5%, 70%
HSV	163°, 4%, 71%
XYZ	42.1161, 45.3011, 49.1721
YIQ	178.6790, -3.5300, -2.1060

Conversions

Conversions Part 2

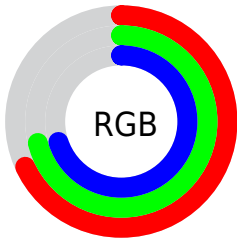
Format	Color
RYB	174, 178, 181
Decimal	11449779
CIELab	73.09, -2.82, 0.16
CIELCh	73, 2.823, 176.770
Yxy	45.3011, 0.3083, 0.3317
Android (android.graphics.Color)	4289639859 (0xFFFAEB5B3)
YUV	178.6790, 0.1583, -4.1035
Hunter-Lab	67.3061, -6.0911, 3.7985

Details

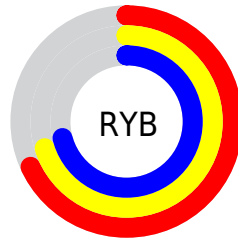
The XYZ color **42.1161, 45.3011, 49.1721** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.0302, 43.2316, 47.2057**, and the grayscale version is **42.6785, 44.9011, 48.8973**.

A 20% lighter version of the original color is **77.5927, 83.2245, 90.5716**, and **19.5111, 21.0823, 22.7796** is the 20% darker color. If you saturate the color by 10%, you get **37.8387, 43.1567, 46.2906**, and if you desaturate by 10%, it is **46.9591, 47.7374, 52.1846**.

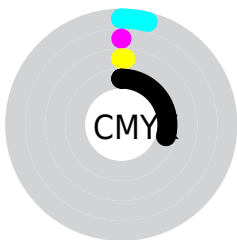
Distribution



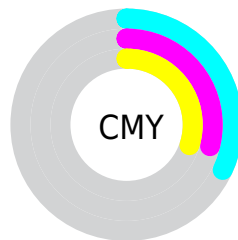
- Red (68%)
- Green (71%)
- Blue (70%)



- Red (68%)
- Yellow (70%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (32%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1161, 45.3011, 49.1721 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 42.1161, 45.3011, 49.1721 by changing the saturation by 10% instead.

■ 42.1161, 45.3011,
49.1721

■ 42.1161, 45.3011,
49.1721

345.9474,
367.9917, 400.0614

■ 29.3837, 31.6947,
34.3895

■ 77.6394, 83.1721,
90.3306

■ 19.5170, 21.1284,
22.9132

101.1610,
108.2054, 117.5436

■ 12.1507, 13.2179,
14.3247

129.0097,
137.8164, 149.7371

■ 6.9193, 7.5787,
8.2055

161.5509,
172.3896, 187.3297

■ 3.4576, 3.8266,
4.1371

199.1499,
212.3093, 230.7398

■ 1.4001, 1.5770,
1.7008

242.1721,

■ 0.2563, 0.3421,

257.9600, 280.3862

0.3613

290.9828,
309.7260, 336.6872

■ 0.0000, 0.0000,
0.0000

■ 42.1161, 45.3011,
49.1721

■ 42.1161, 45.3011,
49.1721

■ 37.8387, 43.1567,
46.2906

■ 46.9591, 47.7374,
52.1846

■ 34.1014, 41.2871,
43.5349

■ 52.3845, 50.4704,
55.3272

■ 30.8821, 39.6824,
40.9038

■ 58.4131, 53.5120,
58.6027

■ 28.1559, 38.3297,
38.3951

■ 65.0635, 56.8718,
62.0133

■ 25.8957, 37.2151,
36.0063

■ 68.7704, 58.7117,
65.3930

■ 24.0718, 36.3232,
33.7347

■ 69.4054, 58.9657,
68.7368

■ 22.6509, 35.6370,
31.5777

■ 70.0612, 59.2281,
72.1906

■ 21.5946, 35.1366,
29.5322

■ 70.7382, 59.4989,
75.7553

■ 20.8571, 34.7985,
27.5948

■ 71.4363, 59.7781,
79.4319

Harmonies

Analogous

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



42.2678, 45.3011, 47.8497



42.1161, 45.3011, 49.1721



42.2150, 45.3011, 50.5604

Triad

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



42.1161, 45.3011, 49.1721



43.4865, 45.3011, 51.7936



43.5799, 45.3011, 47.0849

Complementary

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



42.1161, 45.3011, 49.1721



42.0302, 43.2316, 47.2057

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.



43.9108, 45.3011, 48.1103



42.1161, 45.3011, 49.1721



43.8566, 45.3011, 50.8307

Square

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



42.1161, 45.3011, 49.1721



43.0038, 45.3011, 52.0908



44.0125, 45.3011, 49.4786



43.1109, 45.3011, 46.6592

Rectangle

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



42.1161, 45.3011, 49.1721



42.4101, 45.3011, 51.3335



44.0125, 45.3011, 49.4786



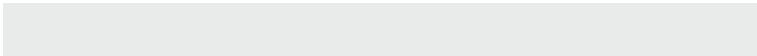
43.7111, 45.3011, 47.3699

Sweetspot

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



42.1174, 45.3030, 49.1731



77.7962, 82.3226, 89.5780



42.0924, 45.3476, 46.5794



16.8245, 17.7978, 19.3673



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



42.1174, 45.3030, 49.1731



74.4438, 80.6386, 87.4242



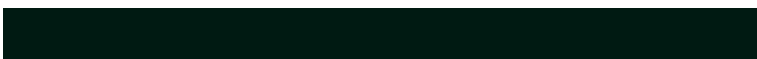
42.0381, 44.8179, 50.1535



8.9898, 9.7663, 10.5828



14.1646, 23.8918, 18.4013



0.4693, 0.7612, 0.7034

Inverse Universe

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



42.0302, 43.2316, 47.2057



74.2403, 75.8034, 82.8320



42.1054, 43.6969, 46.2601



8.9627, 9.1233, 9.9720



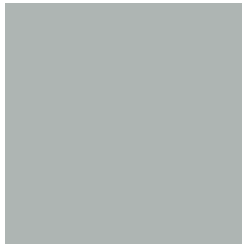
13.5870, 6.9523, 2.9850



0.4533, 0.2291, 0.2298

Previews

White Background



This preview shows how the XYZ color 42.1161, 45.3011, 49.1721 looks on a white background.

Color Contrast Check

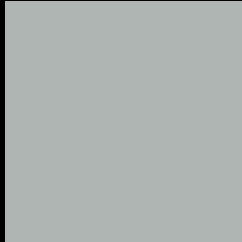
Large Text (above 18pt) WCAG AA × Fail

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 42.1161, 45.3011, 49.1721 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

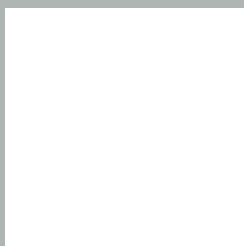
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1161, 45.3011, 49.1721

Background



This preview shows how black text looks on a background with the XYZ color 42.1161, 45.3011, 49.1721.



This preview shows how white text looks on a background with the XYZ color 42.1161, 45.3011,

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

42.1161, 45.3011, 49.1721

Protanopia

43.4847, 45.1224, 48.5371

Deuteranopia

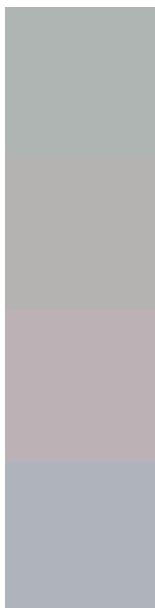
46.1392, 45.3032, 49.4926



Tritanopia

43.6502, 45.3206, 56.8992

Trichromacy



Original Color

42.1161, 45.3011, 49.1721

Protanomaly

42.9784, 45.1579, 48.5706

Deuteranomaly

44.6994, 45.4309, 49.5932

Tritanomaly

43.0776, 45.3873, 54.0671

Monochromacy



Original Color

42.1161, 45.3011, 49.1721

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.5894, 45.2443, 49.1361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1161, 45.3011, 49.1721 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(174, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(174, 181, 179)  
}
```

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(174, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 181, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.1161, 45.3011, 49.1721 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(174, 181, 179) }
```


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

```
.border{ border-color:rgb(174, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(174, 181,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1161, 45.3011, 49.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 181, 179) }
```

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

```
.background{ background-color: rgb(174,  
181, 179) }
```

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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