

Converting Colors

XYZ(46.3474, 50.1446, 60.2504)

Have a look what the booklet for
XYZ(46.3474, 50.1446, 60.2504)
contains.

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Color

**XYZ(46.1707, 49.9721,
60.0354)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBEC5
RGB	175, 190, 197
RGB Percent	69%, 75%, 77%
CMY	0.3137, 0.2549, 0.2274
CMYK	0.11, 0.04, 0.00, 0.23
HSL	199°, 16%, 73%
HSV	199°, 11%, 77%
XYZ	46.1707, 49.9721, 60.0354
YIQ	186.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

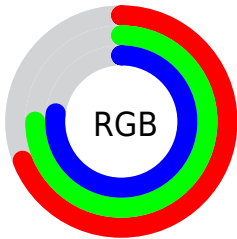
Format	Color
R _Y B	175, 184, 197
Decimal	11517637
CIE Lab	76.05, -3.73, -5.29
CIE LCh	76, 6.472, 234.827
Yxy	49.9721, 0.2956, 0.3200
Android (android.graphics.Color)	4289707717 (0xFFAFBEC5)
YUV	186.3130, 5.2687, -9.9215
Hunter-Lab	70.6909, -7.1246, -0.8693

Details

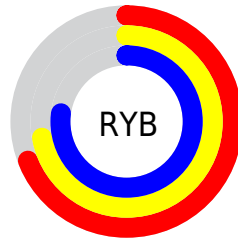
The XYZ color **46.1707, 49.9721, 60.0354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4920, 48.4211, 47.4015**, and the grayscale version is **46.8247, 49.2632, 53.6476**.

A 20% lighter version of the original color is **83.8002, 90.0562, 106.7318**, and **21.9296, 24.0121, 29.4656** is the 20% darker color. If you saturate the color by 10%, you get **40.7400, 45.2022, 59.4017**, and if you desaturate by 10%, it is **52.3078, 55.1954, 60.7209**.

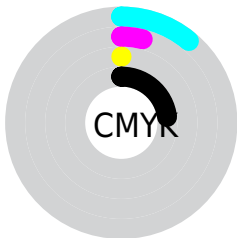
Distribution



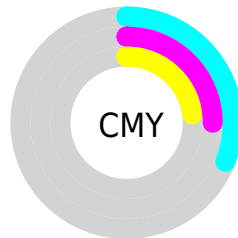
- Red (69%)
- Green (75%)
- Blue (77%)



- Red (69%)
- Yellow (72%)
- Blue (77%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1707, 49.9721, 60.0354 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 46.1707, 49.9721, 60.0354 by changing the saturation by 10% instead.

■ 46.1707, 49.9721,
60.0354

■ 46.1707, 49.9721,
60.0354

362.1989,
386.5568, 442.5365

■ 32.5857, 35.3912,
43.0217

■ 83.7007, 90.1335,
106.4249

■ 21.9670, 23.9644,
29.5706

108.3765,
116.4829, 136.6378

■ 13.9491, 15.3072,
19.2636

137.4799,
147.5239, 172.0874

■ 8.1667, 9.0353,
11.6822

171.3763,
183.6409, 213.1924

■ 4.2545, 4.7642,
6.4077

210.4310,
225.2183, 260.3713

■ 1.8471, 2.1096,
3.0218

255.0095,

■ 0.5458, 0.6700,

272.6404, 314.0425

1.1058

305.4770,
326.2918, 374.6248

■ 0.0000, 0.0000,
0.0000

■ 46.1707, 49.9721,
60.0354

■ 46.1707, 49.9721,
60.0354

■ 40.7400, 45.2022,
59.4017

■ 52.3078, 55.1954,
60.7209

■ 35.9826, 40.8636,
58.8150

■ 59.1736, 60.8808,
61.4564

■ 31.8696, 36.9417,
58.2748

■ 66.7951, 67.0444,
62.2444

■ 28.3679, 33.4182,
57.7793

■ 75.1964, 73.6998,
63.0863

■ 25.4411, 30.2733,
57.3265

■ 77.2625, 77.1800,
63.6491

■ 23.0491, 27.4852,
56.9144

■ 78.9512, 80.5573,
64.2120

■ 21.1460, 25.0288,
56.5406

■ 80.7023, 84.0594,
64.7957

■ 19.6770, 22.8750,
56.2023

■ 82.5164, 87.6878,
65.4004

■ 18.6510, 21.1769,
55.9286

■ 84.3943, 91.4435,
66.0264

Harmonies

Analogous

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



45.4187, 49.9721, 57.2541



46.1707, 49.9721, 60.0354



47.2877, 49.9721, 61.3131

Triad

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



46.1707, 49.9721, 60.0354



49.8495, 49.9721, 55.0135



46.5278, 49.9721, 48.5909

Complementary

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



46.1707, 49.9721, 60.0354



47.4920, 48.4211, 47.4015

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.



47.7068, 49.9721, 48.0476



46.1707, 49.9721, 60.0354



49.6377, 49.9721, 51.6639

Square

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



46.1707, 49.9721, 60.0354



49.4222, 49.9721, 58.3362



48.8484, 49.9721, 49.1496



45.6224, 49.9721, 50.6662

Rectangle

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



46.1707, 49.9721, 60.0354



48.0942, 49.9721, 61.1027



48.8484, 49.9721, 49.1496



46.9047, 49.9721, 48.2269

Sweetspot

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



46.1722, 49.9742, 60.0365



91.5200, 97.0353, 108.5138



46.0863, 52.4233, 51.9285



19.3915, 20.6027, 23.2046



0.0000, 0.0000, 0.0000



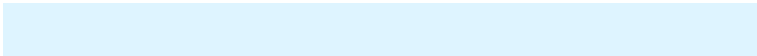
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1722, 49.9742, 60.0365



80.6165, 87.7024, 107.2871



43.8849, 45.3997, 59.2741



10.6513, 11.4766, 13.5713



12.3454, 14.0847, 36.8123



0.6477, 0.7932, 1.7641

Inverse Universe

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



47.6513, 46.2490, 55.1331



83.7200, 79.9823, 96.9775



49.8272, 53.0915, 48.1799



10.9340, 10.7570, 12.6358



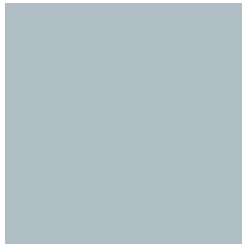
18.0307, 8.9618, 15.9034



0.8856, 0.4371, 0.9208

Previews

White Background



This preview shows how the XYZ color 46.1707, 49.9721, 60.0354 looks on a white background.

Color Contrast Check

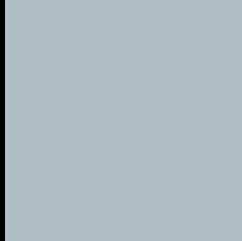
Large Text (above 18pt) WCAG AA × Fail

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 46.1707, 49.9721, 60.0354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

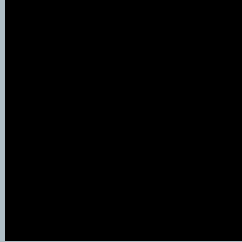
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

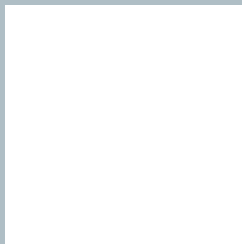
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1707, 49.9721, 60.0354

Background



This preview shows how black text looks on a background with the XYZ color 46.1707, 49.9721, 60.0354.



This preview shows how white text looks on a background with the XYZ color 46.1707, 49.9721,

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

46.1707, 49.9721, 60.0354

Protanopia

48.1483, 49.7493, 58.6946

Deuteranopia

50.8562, 49.8588, 60.9761



Tritanopia

47.0012, 49.9849, 64.2976

Trichromacy



Original Color

46.1707, 49.9721, 60.0354

Protanomaly

47.2626, 49.5934, 59.3060

Deuteranomaly

49.0279, 49.8515, 60.4643

Tritanomaly

46.6447, 49.8423, 62.4204

Monochromacy



Original Color

46.1707, 49.9721, 60.0354

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.3560, 49.2034, 55.7692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1707, 49.9721, 60.0354 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(175, 190, 197)` looks like.

```
.text, #text, p{  
    color:rgb(175, 190, 197)  
}
```

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(175, 190, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 190, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.1707, 49.9721, 60.0354 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(175, 190, 197) }
```


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

```
.border{ border-color:rgb(175, 190, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 190, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 190, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 190, 197);  
box-shadow:4px 4px 4px 4px rgb(175, 190,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1707, 49.9721, 60.0354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 190, 197) }
```

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

```
.background{ background-color: rgb(175,  
190, 197) }
```

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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