

Converting Colors

XYZ(47.5059, 50.5583, 70.5759)

Have a look what the booklet for
XYZ(47.5059, 50.5583, 70.5759)
contains.

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Color

**XYZ(47.5643, 50.4526,
70.8497)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBED6
RGB	172, 190, 214
RGB Percent	67%, 75%, 84%
CMY	0.3255, 0.2549, 0.1608
CMYK	0.20, 0.11, 0.00, 0.16
HSL	214°, 34%, 76%
HSV	214°, 20%, 84%
XYZ	47.5643, 50.4526, 70.8497
YIQ	187.3540, -18.4320, 3.6480

Conversions

Conversions Part 2

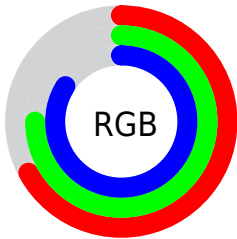
Format	Color
R _Y B	172, 185, 214
Decimal	11321046
CIE Lab	76.35, -1.08, -14.09
CIE LCh	76, 14.133, 265.616
Yxy	50.4526, 0.2817, 0.2988
Android (android.graphics.Color)	4289511126 (0xFFACBED6)
YUV	187.3540, 13.1365, -13.4655
Hunter-Lab	71.0300, -4.7723, -9.4185

Details

The XYZ color **47.5643, 50.4526, 70.8497** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.9183, 56.7546, 47.0911**, and the grayscale version is **47.3707, 49.8377, 54.2733**.

A 20% lighter version of the original color is **83.0007, 89.6255, 107.5326**, and **22.8114, 24.3165, 36.2921** is the 20% darker color. If you saturate the color by 10%, you get **40.7025, 43.1483, 69.8023**, and if you desaturate by 10%, it is **55.4077, 58.5953, 72.0088**.

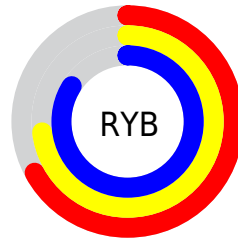
Distribution



Red (67%)

Green (75%)

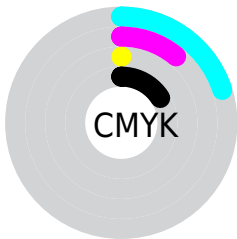
Blue (84%)



Red (67%)

Yellow (73%)

Blue (84%)

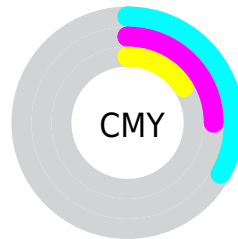


Cyan (20%)

Magenta (11%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (25%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5643, 50.4526, 70.8497 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 47.5643, 50.4526, 70.8497 by changing the saturation by 10% instead.

■ 47.5643, 50.4526,
70.8497

■ 47.5643, 50.4526,
70.8497

367.6739,
388.4333, 482.3973

■ 33.6918, 35.7732,
51.7385

■ 85.7690, 90.8451,
122.1121

■ 22.8187, 24.2590,
36.4159

110.8318,
117.3270, 155.1004

■ 14.5796, 15.5259,
24.4633

140.3555,
148.5117, 193.5515

■ 8.6093, 9.1893,
15.4623

174.7054,
184.7838, 237.8839

■ 4.5423, 4.8649,
8.9943

214.2468,
226.5276, 288.5161

■ 2.0133, 2.1682,
4.6407

259.3452,

■ 0.6414, 0.7026,

274.1275, 345.8668

1.9830

310.3657,
327.9679, 410.3543

■ 0.0000, 0.0000,
0.5448

■ 0.0000, 0.0000,
0.0000

■ 47.5643, 50.4526,
70.8497

■ 47.5643, 50.4526,
70.8497

■ 40.7025, 43.1483,
69.8023

■ 55.4077, 58.5953,
72.0088

■ 34.7761, 36.6468,
68.8597

■ 64.2670, 67.5981,
73.2796

■ 29.7420, 30.9187,
68.0194

■ 74.1806, 77.4895,
74.6663

■ 25.5513, 25.9301,
67.2774

■ 84.2191, 87.7978,
76.1269

■ 22.1505, 21.6443,
66.6294

■ 87.9192, 95.1979,
77.3603

■ 19.4787, 18.0204,
66.0707

■ 89.1377, 97.6351,
77.7665

■ 17.4649, 15.0116,
65.5961

■ 15.9909, 12.5465,
65.1980

■ 15.9412, 12.4620,
65.1843

Harmonies

Analogous

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



45.1264, 50.4526, 67.9134



47.5643, 50.4526, 70.8497



50.1962, 50.4526, 69.2095

Triad

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



47.5643, 50.4526, 70.8497



52.7087, 50.4526, 48.8492



43.8605, 50.4526, 47.0800

Complementary

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



47.5643, 50.4526, 70.8497



54.9183, 56.7546, 47.0911

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.



45.7790, 50.4526, 42.7708



47.5643, 50.4526, 70.8497



50.8966, 50.4526, 43.7241

Square

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



47.5643, 50.4526, 70.8497



53.2292, 50.4526, 56.0601



48.3452, 50.4526, 41.6009



43.0387, 50.4526, 53.8237

Rectangle

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



47.5643, 50.4526, 70.8497



51.6977, 50.4526, 65.8153



48.3452, 50.4526, 41.6009



44.3950, 50.4526, 45.3240

Sweetspot

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



47.5658, 50.4547, 70.8508



86.9177, 91.7614, 107.7384



51.0019, 60.8411, 61.1617



18.4218, 19.4549, 23.0342



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.



47.5658, 50.4547, 70.8508



65.8484, 69.8660, 104.6226



44.5255, 43.4521, 69.6594



12.1759, 12.8752, 15.7809



9.7341, 7.7300, 39.4321



0.6683, 0.6287, 2.4054

Inverse Universe

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



51.7796, 47.5201, 55.1607



73.4098, 64.9236, 76.3946



58.4151, 64.9510, 48.4889



12.6420, 12.5083, 14.0550



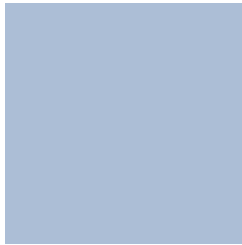
17.9722, 9.1252, 7.1576



1.1250, 0.5668, 0.6476

Previews

White Background



This preview shows how the XYZ color 47.5643, 50.4526, 70.8497 looks on a white background.

Color Contrast Check

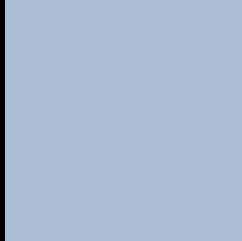
Large Text (above 18pt) WCAG AA × Fail

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 47.5643, 50.4526, 70.8497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

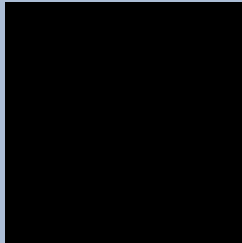
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5643, 50.4526, 70.8497

Background



This preview shows how black text looks on a background with the XYZ color 47.5643, 50.4526, 70.8497.



This preview shows how white text looks on a background with the XYZ color 47.5643, 50.4526,

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

47.5643, 50.4526, 70.8497

Protanopia

49.4212, 50.4845, 69.4271

Deuteranopia

51.1915, 50.1107, 71.2642



Tritanopia

46.5660, 50.3758, 65.6617

Trichromacy



Original Color

47.5643, 50.4526, 70.8497

Protanomaly

48.8159, 50.4738, 70.1203

Deuteranomaly

49.8322, 50.3384, 71.3798

Tritanomaly

46.9340, 50.5230, 67.5998

Monochromacy



Original Color

47.5643, 50.4526, 70.8497

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3527, 49.9427, 59.9675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5643, 50.4526, 70.8497 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(172, 190, 214)` looks like.

```
.text, #text, p{  
    color:rgb(172, 190, 214)  
}
```

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(172, 190, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 190, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.5643, 50.4526, 70.8497 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(172, 190, 214) }
```


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

```
.border{ border-color:rgb(172, 190, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 190, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 190, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 190, 214);  
box-shadow:4px 4px 4px 4px rgb(172, 190,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5643, 50.4526, 70.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 190, 214) }
```

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

```
.background{ background-color: rgb(172,  
190, 214) }
```

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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