

Converting Colors

XYZ(45.7305, 49.5588, 64.6802)

Have a look what the booklet for
XYZ(45.7305, 49.5588, 64.6802)
contains.

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Color

**XYZ(45.7951, 49.6697,
64.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BECD
RGB	169, 190, 205
RGB Percent	66%, 75%, 80%
CMY	0.3372, 0.2549, 0.1961
CMYK	0.18, 0.07, 0.00, 0.20
HSL	205°, 26%, 73%
HSV	205°, 18%, 80%
XYZ	45.7951, 49.6697, 64.9312
YIQ	185.4310, -17.3310, 0.2130

Conversions

Conversions Part 2

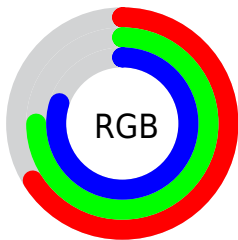
Format	Color
R _{YB}	169, 182, 205
Decimal	11124429
CIE Lab	75.87, -3.99, -9.95
CIE LCh	76, 10.725, 248.131
Yxy	49.6697, 0.2855, 0.3097
Android (android.graphics.Color)	4289314509 (0xFFA9BECD)
YUV	185.4310, 9.6475, -14.4100
Hunter-Lab	70.4767, -7.3467, -5.2910

Details

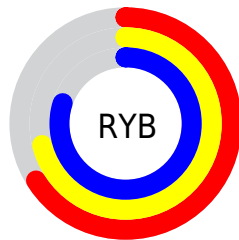
The XYZ color **45.7951, 49.6697, 64.9312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.4792, 50.1247, 44.6044**, and the grayscale version is **46.3101, 48.7219, 53.0581**.

A 20% lighter version of the original color is **82.0571, 89.1391, 107.4884**, and **21.7340, 23.8387, 32.7340** is the 20% darker color. If you saturate the color by 10%, you get **39.9417, 43.9873, 64.1437**, and if you desaturate by 10%, it is **52.4494, 55.9285, 65.7893**.

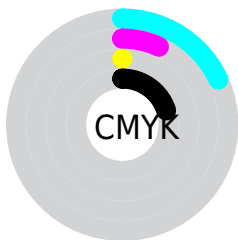
Distribution



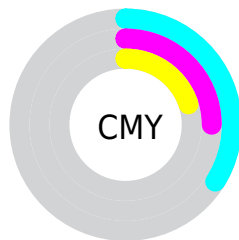
- Red (66%)
- Green (75%)
- Blue (80%)



- Red (66%)
- Yellow (71%)
- Blue (80%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (34%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7951, 49.6697, 64.9312 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 45.7951, 49.6697, 64.9312 by changing the saturation by 10% instead.

■ 45.7951, 49.6697,
64.9312

■ 45.7951, 49.6697,
64.9312

360.7140,
385.3729, 460.8441

■ 32.2881, 35.1510,
46.9543

■ 83.1420, 89.6853,
113.5633

■ 21.7383, 23.7792,
32.6454

■ 107.7126,
115.9510, 145.0555

■ 13.7802, 15.1699,
21.5861

136.7018,
146.9012, 181.8900

■ 8.0486, 8.9387,
13.3577

170.4750,
182.9202, 224.4852

■ 4.1782, 4.7012,
7.5417

209.3974,
224.3925, 273.2596

■ 1.8034, 2.0731,
3.7196

253.8345,

■ 0.5197, 0.6494,

271.7024, 328.6319

1.4728

304.1516,
325.2344, 391.0206

■ 0.0000, 0.0000,
0.1975

■ 0.0000, 0.0000,
0.0000

■ 45.7951, 49.6697,
64.9312

■ 45.7951, 49.6697,
64.9312

■ 39.9417, 43.9873,
64.1437

■ 52.4494, 55.9285,
65.7893

■ 34.8508, 38.8549,
63.4214

■ 59.9320, 62.7766,
66.7168

■ 30.4876, 34.2530,
62.7631

■ 68.2742, 70.2340,
67.7165

■ 26.8123, 30.1582,
62.1664

■ 77.5044, 78.3179,
68.7904

■ 23.7811, 26.5451,
61.6288

■ 81.3153, 83.7793,
69.6437

■ 21.3445, 23.3850,
61.1472

■ 83.7879, 88.7244,
70.4679

■ 19.4451, 20.6451,
60.7185

■ 86.3790, 93.9066,
71.3316

■ 18.0026, 18.2809,
60.3382

■ 88.0196, 97.1878,
71.8784

■ 17.6878, 17.7442,
60.2512

Harmonies

Analogous

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



44.2560, 49.6697, 61.1528



45.7951, 49.6697, 64.9312



47.7542, 49.6697, 65.7025

Triad

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



45.7951, 49.6697, 64.9312



51.1097, 49.6697, 52.5429



44.8804, 49.6697, 45.8925

Complementary

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



45.7951, 49.6697, 64.9312



49.4792, 50.1247, 44.6044

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.



46.6691, 49.6697, 43.9192



45.7951, 49.6697, 64.9312



50.2916, 49.6697, 47.5782

Square

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



45.7951, 49.6697, 64.9312



50.8597, 49.6697, 58.2780



48.6528, 49.6697, 44.5138



43.7384, 49.6697, 50.0921

Rectangle

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



45.7951, 49.6697, 64.9312



49.0414, 49.6697, 64.3600



48.6528, 49.6697, 44.5138



45.4240, 49.6697, 44.9608

Sweetspot

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



45.7966, 49.6717, 64.9323



88.8427, 94.3192, 108.1307



46.7834, 55.5342, 53.2728



18.8353, 20.0216, 23.1218



0.0000, 0.0000, 0.0000



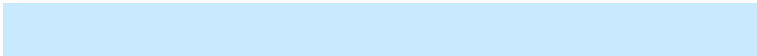
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7966, 49.6717, 64.9323



71.3101, 77.8030, 105.8668



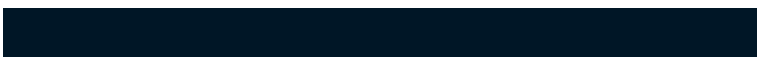
42.2496, 42.5778, 63.7500



11.1363, 11.9131, 14.2829



11.1069, 11.2377, 37.5400



0.6469, 0.7275, 1.9613

Inverse Universe

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



48.6603, 45.0739, 54.8530



76.8956, 69.1090, 86.1461



53.3192, 57.8047, 45.8844



11.4822, 11.3216, 13.0738



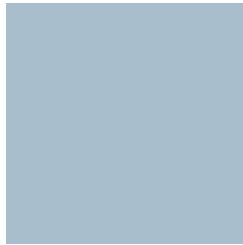
17.8171, 8.9374, 12.0217



0.9565, 0.4760, 0.8165

Previews

White Background



This preview shows how the XYZ color 45.7951, 49.6697, 64.9312 looks on a white background.

Color Contrast Check

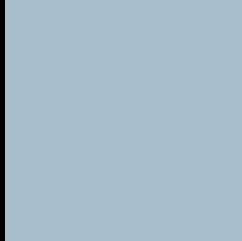
Large Text (above 18pt) WCAG AA × Fail

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 45.7951, 49.6697, 64.9312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

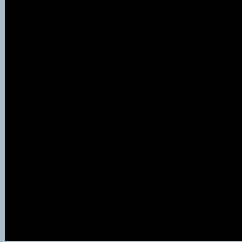
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

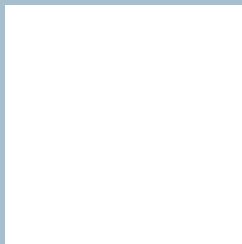
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7951, 49.6697, 64.9312

Background



This preview shows how black text looks on a background with the XYZ color 45.7951, 49.6697, 64.9312.



This preview shows how white text looks on a background with the XYZ color 45.7951, 49.6697,

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

45.7951, 49.6697, 64.9312

Protanopia

48.0172, 49.2765, 62.8576

Deuteranopia

50.7554, 49.6967, 65.9488



Tritanopia

45.7951, 49.6697, 64.9312

Trichromacy



Original Color

45.7951, 49.6697, 64.9312

Protanomaly

47.1402, 49.4362, 63.5575

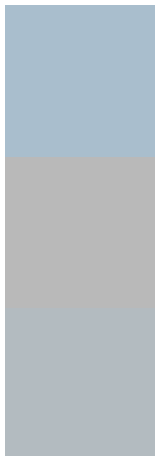
Deuteranomaly

48.7392, 49.5933, 65.3961

Tritanomaly

45.7951, 49.6697, 64.9312

Monochromacy



Original Color

45.7951, 49.6697, 64.9312

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8752, 48.9301, 56.8958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7951, 49.6697, 64.9312 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(169, 190, 205)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 205)  
}
```

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(169, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.7951, 49.6697, 64.9312 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(169, 190, 205) }
```


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

```
.border{ border-color:rgb(169, 190, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 205);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7951, 49.6697, 64.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 205) }
```

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

```
.background{ background-color: rgb(169,  
190, 205) }
```

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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