

Converting Colors

XYZ(45.7588, 50.2278, 61.9273)

Have a look what the booklet for
XYZ(45.7588, 50.2278, 61.9273)
contains.

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Color

**XYZ(45.8525, 50.4155,
61.9581)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC0C8
RGB	170, 192, 200
RGB Percent	67%, 75%, 78%
CMY	0.3333, 0.2470, 0.2157
CMYK	0.15, 0.04, 0.00, 0.22
HSL	196°, 21%, 73%
HSV	196°, 15%, 78%
XYZ	45.8525, 50.4155, 61.9581
YIQ	186.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

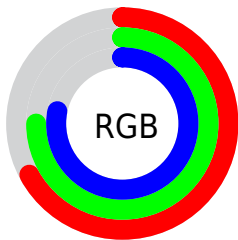
Format	Color
R_{YB}	170, 183, 200
Decimal	11190472
CIE Lab	76.32, -5.80, -6.55
CIE LCh	76, 8.754, 228.479
Yxy	50.4155, 0.2898, 0.3186
Android (android.graphics.Color)	4289380552 (0xFFAAC0C8)
YUV	186.3340, 6.7373, -14.3249
Hunter-Lab	71.0039, -8.9860, -2.0338

Details

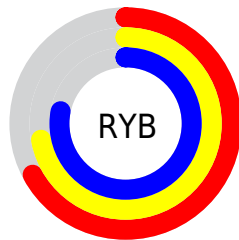
The XYZ color **45.8525, 50.4155, 61.9581** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9957, 47.0221, 44.6302**, and the grayscale version is **46.8303, 49.2691, 53.6540**.

A 20% lighter version of the original color is **82.9814, 90.5236, 107.7069**, and **21.8921, 24.3921, 30.7484** is the 20% darker color. If you saturate the color by 10%, you get **40.7044, 46.0564, 61.3888**, and if you desaturate by 10%, it is **51.7037, 55.2027, 62.5745**.

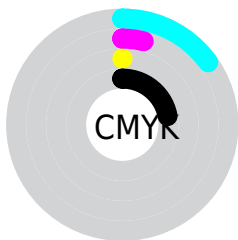
Distribution



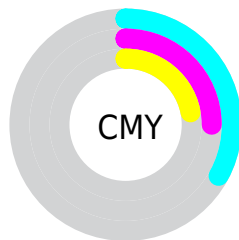
- Red (67%)
- Green (75%)
- Blue (78%)



- Red (67%)
- Yellow (72%)
- Blue (78%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8525, 50.4155, 61.9581 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 45.8525, 50.4155, 61.9581 by changing the saturation by 10% instead.

■ 45.8525, 50.4155,
61.9581

■ 45.8525, 50.4155,
61.9581

360.9412,
388.2886, 449.7817

■ 32.3336, 35.7437,
44.5633

■ 83.2274, 90.7902,
109.2360

■ 21.7732, 24.2363,
30.7731

107.8141,
117.2618, 139.9561

■ 13.8060, 15.5090,
20.1691

136.8208,
148.4355, 175.9551

■ 8.0667, 9.1774,
12.3328

170.6128,
184.6957, 217.6515

■ 4.1898, 4.8571,
6.8454

209.5555,
226.4266, 265.4638

■ 1.8101, 2.1636,
3.2886

254.0142,

■ 0.5237, 0.7001,

274.0129, 319.8105

1.2438

304.3543,
327.8387, 381.1103

■ 0.0000, 0.0000,
0.0151

■ 0.0000, 0.0000,
0.0000

■ 45.8525, 50.4155,
61.9581

■ 45.8525, 50.4155,
61.9581

■ 40.7044, 46.0564,
61.3888

■ 51.7037, 55.2027,
62.5745

■ 36.2250, 42.1029,
60.8618

■ 58.2818, 60.4269,
63.2362

■ 32.3833, 38.5399,
60.3766

■ 65.6148, 66.1046,
63.9456

■ 29.1443, 35.3484,
59.9313

■ 73.7279, 72.2493,
64.7041

■ 26.4692, 32.5080,
59.5240

■ 76.9088, 75.9168,
65.2443

■ 24.3144, 29.9954,
59.1526

■ 78.3192, 78.7377,
65.7145

■ 22.6298, 27.7840,
58.8145

■ 79.7746, 81.6485,
66.1996

■ 21.3540, 25.8414,
58.5068

■ 81.2754, 84.6500,
66.6998

■ 20.8106, 24.9404,
58.3616

■ 82.8218, 87.7429,
67.2153

Harmonies

Analogous

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



44.9812, 50.4155, 57.8150



45.8525, 50.4155, 61.9581



47.2896, 50.4155, 64.2553

Triad

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



45.8525, 50.4155, 61.9581



51.0844, 50.4155, 56.7227



46.9230, 50.4155, 46.7442

Complementary

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



45.8525, 50.4155, 61.9581



46.9957, 47.0221, 44.6302

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.



48.5528, 50.4155, 46.4890



45.8525, 50.4155, 61.9581



50.9808, 50.4155, 52.0729

Square

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



45.8525, 50.4155, 61.9581



50.3254, 50.4155, 61.1192



50.0455, 50.4155, 48.3882



45.5894, 50.4155, 49.1064

Rectangle

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



45.8525, 50.4155, 61.9581



48.3863, 50.4155, 64.3480



50.0455, 50.4155, 48.3882



47.4536, 50.4155, 46.4144

Sweetspot

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



45.8540, 50.4176, 61.9592



90.5352, 96.3939, 108.4419



45.2184, 53.0498, 49.7139



19.2015, 20.4901, 23.1929



0.0000, 0.0000, 0.0000



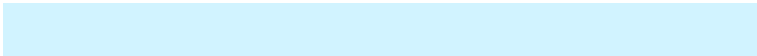
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8540, 50.4176, 61.9592



76.3529, 84.7502, 106.9419



42.8248, 44.3592, 60.9495



10.6983, 11.5707, 13.5870



13.3087, 16.0114, 37.1334



0.6873, 0.8725, 1.7773

Inverse Universe

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



47.7097, 44.8355, 56.0112



80.2071, 73.3669, 94.5415



50.0356, 53.1017, 45.6435



10.9577, 10.7665, 12.7608



18.5170, 9.1564, 18.4641



0.9056, 0.4451, 1.0262

Previews

White Background



This preview shows how the XYZ color 45.8525, 50.4155, 61.9581 looks on a white background.

Color Contrast Check

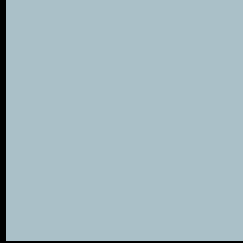
Large Text (above 18pt) WCAG AA × Fail

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 45.8525, 50.4155, 61.9581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

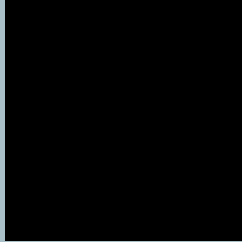
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8525, 50.4155, 61.9581

Background



This preview shows how black text looks on a background with the XYZ color 45.8525, 50.4155, 61.9581.



This preview shows how white text looks on a background with the XYZ color 45.8525, 50.4155,

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

45.8525, 50.4155, 61.9581

Protanopia

48.8346, 50.3907, 59.9758

Deuteranopia

51.4136, 50.4106, 62.8975



Tritanopia

46.5660, 50.3758, 65.6617

Trichromacy



Original Color

45.8525, 50.4155, 61.9581

Protanomaly

47.6820, 50.4175, 60.6445

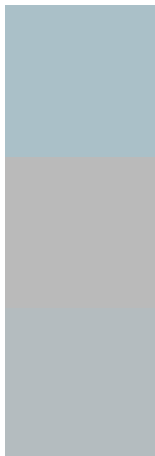
Deuteranomaly

49.0878, 50.1537, 62.3518

Tritanomaly

46.3245, 50.2792, 64.3900

Monochromacy



Original Color

45.8525, 50.4155, 61.9581

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2096, 49.4313, 56.3959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8525, 50.4155, 61.9581 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(170, 192, 200)` looks like.

```
.text, #text, p{  
    color:rgb(170, 192, 200)  
}
```

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(170, 192, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 192, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.8525, 50.4155, 61.9581 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(170, 192, 200) }
```


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

```
.border{ border-color:rgb(170, 192, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 192, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 192, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 192, 200);  
box-shadow:4px 4px 4px 4px rgb(170, 192,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8525, 50.4155, 61.9581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 192, 200) }
```

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

```
.background{ background-color: rgb(170,  
192, 200) }
```

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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