

Converting Colors

XYZ(45.6261, 48.9971, 63.8036)

Have a look what the booklet for
XYZ(45.6261, 48.9971, 63.8036)
contains.

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Color

**XYZ(45.5573, 48.9362,
63.5444)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBCCB
RGB	171, 188, 203
RGB Percent	67%, 74%, 80%
CMY	0.3294, 0.2627, 0.2039
CMYK	0.16, 0.07, 0.00, 0.20
HSL	208°, 24%, 73%
HSV	208°, 16%, 80%
XYZ	45.5573, 48.9362, 63.5444
YIQ	184.6270, -14.9470, 1.0610

Conversions

Conversions Part 2

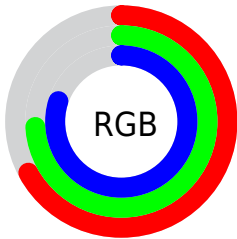
Format	Color
RYB	171, 182, 203
Decimal	11254987
CIELab	75.41, -2.72, -9.53
CIElCh	75, 9.909, 254.094
Yxy	48.9362, 0.2883, 0.3096
Android (android.graphics.Color)	4289445067 (0xFFABBCCB)
YUV	184.6270, 9.0579, -11.9509
Hunter-Lab	69.9544, -6.1734, -4.8891

Details

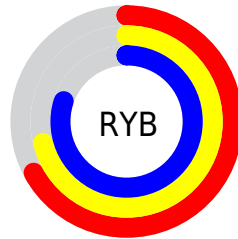
The XYZ color **45.5573, 48.9362, 63.5444** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.5385, 50.7544, 45.7146**, and the grayscale version is **45.8654, 48.2540, 52.5486**.

A 20% lighter version of the original color is **82.0792, 88.2523, 107.3161**, and **21.5600, 23.3494, 31.8043** is the 20% darker color. If you saturate the color by 10%, you get **39.5050, 42.8989, 62.6989**, and if you desaturate by 10%, it is **52.4257, 55.5957, 64.4686**.

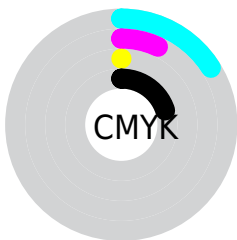
Distribution



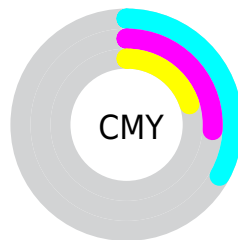
- Red (67%)
- Green (74%)
- Blue (80%)



- Red (67%)
- Yellow (71%)
- Blue (80%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5573, 48.9362, 63.5444 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 45.5573, 48.9362, 63.5444 by changing the saturation by 10% instead.

■ 45.5573, 48.9362,
63.5444

■ 45.5573, 48.9362,
63.5444

359.7718,
382.4911, 455.7048

■ 32.0998, 34.5689,
45.8379

■ 82.7880, 88.5967,
111.5477

■ 21.5936, 23.3310,
31.7702

107.2919,
114.6586, 142.6816

■ 13.6735, 14.8381,
20.9227

136.2086,
145.3876, 179.1284

■ 7.9741, 8.7058,
12.8768

169.9034,
181.1679, 221.3066

■ 4.1301, 4.5498,
7.2140

208.7418,
222.3841, 269.6348

■ 1.7760, 1.9856,
3.5158

253.0891,

■ 0.5031, 0.5991,

269.4204, 324.5316

1.3637

303.3107,
322.6612, 386.4154

■ 0.0000, 0.0000,
0.1131

■ 0.0000, 0.0000,
0.0000

■ 45.5573, 48.9362,
63.5444

■ 45.5573, 48.9362,
63.5444

■ 39.5050, 42.8989,
62.6989

■ 52.4257, 55.5957,
64.4686

■ 34.2308, 37.4566,
61.9264

■ 60.1371, 62.8911,
65.4703

■ 29.7005, 32.5889,
61.2256

■ 68.7227, 70.8434,
66.5527

■ 25.8749, 28.2717,
60.5939

■ 78.2106, 79.4706,
67.7179

■ 22.7113, 24.4788,
60.0285

■ 81.8926, 85.3178,
68.6525

■ 20.1616, 21.1810,
59.5264

■ 84.6987, 90.9300,
69.5878

■ 18.1704, 18.3453,
59.0840

■ 87.6529, 96.8383,
70.5725

■ 16.6696, 15.9319,
58.6973

■ 87.7796, 97.0919,
70.6148

■ 16.1276, 15.0077,
58.5474

Harmonies

Analogous

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



44.0374, 48.9362, 60.5866



45.5573, 48.9362, 63.5444



47.3722, 48.9362, 63.6369

Triad

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



45.5573, 48.9362, 63.5444



49.9996, 48.9362, 50.8732



44.1131, 48.9362, 46.3864

Complementary

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



45.5573, 48.9362, 63.5444



49.5385, 50.7544, 45.7146

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.



45.6631, 48.9362, 44.1182



45.5573, 48.9362, 63.5444



49.0784, 48.9362, 46.5916

Square

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



45.5573, 48.9362, 63.5444



49.9694, 48.9362, 56.0852



47.4807, 48.9362, 44.1908



43.2186, 48.9362, 50.5761

Rectangle

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



45.5573, 48.9362, 63.5444



48.5073, 48.9362, 62.0465



47.4807, 48.9362, 44.1908



44.5729, 48.9362, 45.3865

Sweetspot

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



45.5588, 48.9382, 63.5455



88.6371, 93.9080, 108.0621



47.0072, 54.9130, 54.5398



18.7853, 19.9217, 23.1051



0.0000, 0.0000, 0.0000



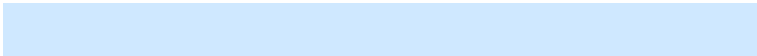
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5588, 48.9382, 63.5455



72.5958, 78.2990, 105.8948



42.3402, 42.5011, 62.4726



11.0870, 11.8144, 14.2664



10.3554, 9.7347, 37.2895



0.6098, 0.6534, 1.9489

Inverse Universe

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



48.2698, 45.4542, 53.8088



78.0511, 71.5108, 86.2516



53.0850, 57.8474, 46.8968



11.4573, 11.3116, 12.9425



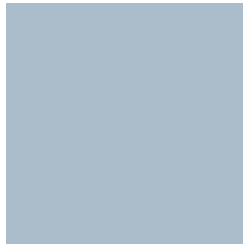
17.4378, 8.7857, 10.0241



0.9377, 0.4685, 0.7180

Previews

White Background



This preview shows how the XYZ color 45.5573, 48.9362, 63.5444 looks on a white background.

Color Contrast Check

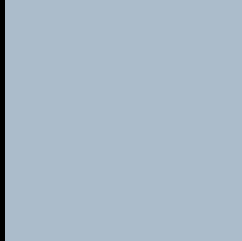
Large Text (above 18pt) WCAG AA × Fail

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 45.5573, 48.9362, 63.5444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

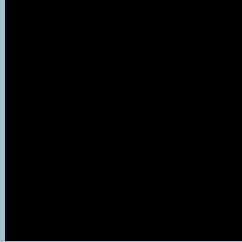
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

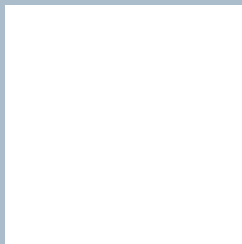
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5573, 48.9362, 63.5444

Background



This preview shows how black text looks on a background with the XYZ color 45.5573, 48.9362, 63.5444.



This preview shows how white text looks on a background with the XYZ color 45.5573, 48.9362,

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

45.5573, 48.9362, 63.5444

Protanopia

47.4503, 48.6884, 62.1552

Deuteranopia

49.8464, 48.6524, 64.5213



Tritanopia

45.5573, 48.9362, 63.5444

Trichromacy



Original Color

45.5573, 48.9362, 63.5444

Protanomaly

46.6000, 48.5459, 62.7913

Deuteranomaly

48.0823, 48.6657, 63.9860

Tritanomaly

45.5573, 48.9362, 63.5444

Monochromacy



Original Color

45.5573, 48.9362, 63.5444

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8957, 48.6269, 56.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5573, 48.9362, 63.5444 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(171, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 203)  
}
```

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(171, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.5573, 48.9362, 63.5444 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(171, 188, 203) }
```


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

```
.border{ border-color:rgb(171, 188, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5573, 48.9362, 63.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 203) }
```

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

```
.background{ background-color: rgb(171,  
188, 203) }
```

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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