

Converting Colors

XYZ(45.3069, 56.7304, 52.6162)

Have a look what the booklet for
XYZ(45.3069, 56.7304, 52.6162)
contains.

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Color

**XYZ(45.2004, 56.5385,
52.7867)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD2B6
RGB	156, 210, 182
RGB Percent	61%, 82%, 71%
CMY	0.3882, 0.1765, 0.2863
CMYK	0.26, 0.00, 0.13, 0.18
HSL	149°, 38%, 72%
HSV	149°, 26%, 82%
XYZ	45.2004, 56.5385, 52.7867
YIQ	190.6620, -23.1960, -20.1560

Conversions

Conversions Part 2

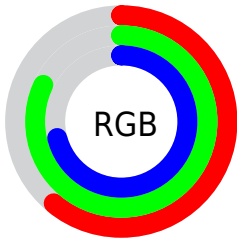
Format	Color
RYB	156, 192, 210
Decimal	10277558
CIELab	79.92, -23.17, 8.26
CIELCh	80, 24.599, 160.372
Yxy	56.5385, 0.2925, 0.3659
Android (android.graphics.Color)	4288467638 (0xFF9CD2B6)
YUV	190.6620, -4.2704, -30.3986
Hunter-Lab	75.1921, -24.2840, 11.0114

Details

The XYZ color **45.2004, 56.5385, 52.7867** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.1205, 40.9407, 50.7686**, and the grayscale version is **49.3603, 51.9309, 56.5528**.

A 20% lighter version of the original color is **78.0566, 91.5419, 94.4443**, and **21.2773, 27.9112, 25.0349** is the 20% darker color. If you saturate the color by 10%, you get **40.4009, 54.1908, 46.9146**, and if you desaturate by 10%, it is **50.7931, 59.2881, 59.1552**.

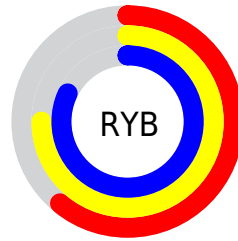
Distribution



Red (61%)

Green (82%)

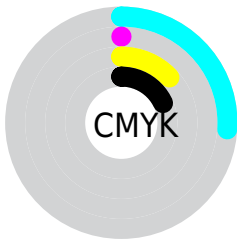
Blue (71%)



Red (61%)

Yellow (75%)

Blue (82%)

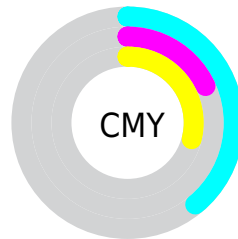


Cyan (26%)

Magenta (0%)

Yellow (13%)

Black (18%)



Cyan (39%)


Magenta (18%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2004, 56.5385, 52.7867 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 45.2004, 56.5385, 52.7867 by changing the saturation by 10% instead.


 45.2004, 56.5385,
52.7867


 45.2004, 56.5385,
52.7867


358.3546,
411.7177, 414.5093

 31.8173, 40.6348,
37.2460


 82.2563, 99.7915,
95.7288

 21.3768, 28.0339,
25.1007


 106.6597,
127.9096, 123.9672

 13.5138, 18.3512,
15.9324


135.4673,
160.8680, 157.2753

 7.8627, 11.2024,
9.3225

169.0443,
199.0510, 196.0716

 4.0583, 6.2032,
4.8524

207.7562,
242.8431, 240.7746

 1.7352, 2.9690,
2.1037

251.9684,

 0.4781, 1.1156,

292.6287, 291.8028

0.6180

302.0460,
348.7921, 349.5749

■ 0.0000, 0.0000,
0.0000

■ 45.2004, 56.5385,
52.7867

■ 45.2004, 56.5385,
52.7867

■ 40.4009, 54.1908,
46.9146

■ 50.7931, 59.2881,
59.1552

■ 36.3518, 52.2186,
41.5231

■ 57.2098, 62.4505,
66.0279

■ 33.0133, 50.6030,
36.6007

■ 64.4854, 66.0452,
73.4175

■ 30.3397, 49.3208,
32.1342

■ 72.6512, 70.0880,
81.3346

■ 28.2798, 48.3459,
28.1096

■ 79.4934, 73.4376,
89.6850

■ 26.7742, 47.6478,
24.5120

■ 81.1286, 74.0917,
98.2956

■ 25.7501, 47.1893,
21.3255

■ 82.3376, 74.5753,
104.6625

■ 25.4019, 47.0370,
20.0800

Harmonies

Analogous

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



47.7613, 56.5385, 42.9144



45.2004, 56.5385, 52.7867



44.8444, 56.5385, 66.6404

Triad

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



45.2004, 56.5385, 52.7867



55.4837, 56.5385, 92.7289



61.3820, 56.5385, 45.4261

Complementary

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



45.2004, 56.5385, 52.7867



47.1205, 40.9407, 50.7686

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.



63.7363, 56.5385, 56.7461



45.2004, 56.5385, 52.7867



60.1939, 56.5385, 84.9505

Square

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



45.2004, 56.5385, 52.7867



50.5801, 56.5385, 91.2296



63.2885, 56.5385, 71.2570



57.0249, 56.5385, 39.1422

Rectangle

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



45.2004, 56.5385, 52.7867



45.8802, 56.5385, 76.5213



63.2885, 56.5385, 71.2570



62.4457, 56.5385, 48.6896

Sweetspot

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



45.2020, 56.5408, 52.7880



86.2823, 95.6715, 99.8430



49.0087, 58.7855, 40.2170



18.1359, 20.3139, 21.0185



0.0000, 0.0000, 0.0000



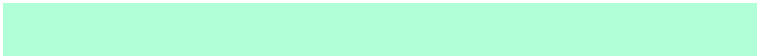
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2020, 56.5408, 52.7880



65.7920, 85.5998, 76.6793



48.1686, 57.7275, 68.4101



11.8900, 13.2997, 13.7771



15.5444, 28.7107, 12.5128



0.9092, 1.6213, 0.9103

Inverse Universe

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



47.1205, 40.9407, 50.7686



69.2722, 57.2977, 73.0138



44.6228, 39.9416, 37.6160



12.0610, 11.9092, 13.5972



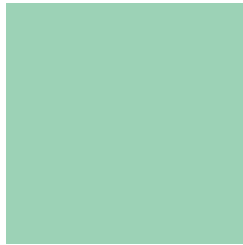
17.9438, 9.0503, 9.8761



1.0433, 0.5220, 0.7629

Previews

White Background



This preview shows how the XYZ color 45.2004, 56.5385, 52.7867 looks on a white background.

Color Contrast Check

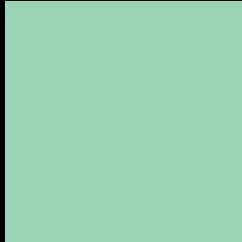
Large Text (above 18pt) WCAG AA × Fail

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 45.2004, 56.5385, 52.7867 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

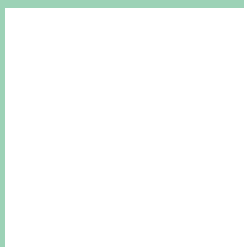
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2004, 56.5385, 52.7867

Background



This preview shows how black text looks on a background with the XYZ color 45.2004, 56.5385, 52.7867.



This preview shows how white text looks on a background with the XYZ color 45.2004, 56.5385,

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

45.2004, 56.5385, 52.7867

Protanopia

53.1577, 56.1495, 48.5937

Deuteranopia

57.3125, 56.1789, 54.2773



Tritanopia

49.9539, 56.2987, 76.6405

Trichromacy



Original Color

45.2004, 56.5385, 52.7867

Protanomaly

49.8954, 56.1468, 50.3271

Deuteranomaly

51.9770, 55.7613, 53.9225

Tritanomaly

48.0317, 56.2247, 67.3524

Monochromacy



Original Color

45.2004, 56.5385, 52.7867

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.6313, 53.4840, 55.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2004, 56.5385, 52.7867 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(156, 210, 182)` looks like.

```
.text, #text, p{  
    color:rgb(156, 210, 182)  
}
```

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(156, 210, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 210, 182) }
```

Border

The CSS property to change the border of an element to XYZ 45.2004, 56.5385, 52.7867 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(156, 210, 182) }
```


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

```
.border{ border-color:rgb(156, 210, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 210, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 210, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 210, 182);  
box-shadow:4px 4px 4px 4px rgb(156, 210,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2004, 56.5385, 52.7867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 210, 182) }
```

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

```
.background{ background-color: rgb(156,  
210, 182) }
```

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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