

Converting Colors

XYZ(46.9441, 52.1270, 69.9757)

Have a look what the booklet for
XYZ(46.9441, 52.1270, 69.9757)
contains.

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Color

**XYZ(46.9334, 52.1258,
69.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C4D4
RGB	164, 196, 212
RGB Percent	64%, 77%, 83%
CMY	0.3569, 0.2314, 0.1686
CMYK	0.23, 0.08, 0.00, 0.17
HSL	200°, 36%, 74%
HSV	200°, 23%, 83%
XYZ	46.9334, 52.1258, 69.8750
YIQ	188.2560, -24.2080, -1.8080

Conversions

Conversions Part 2

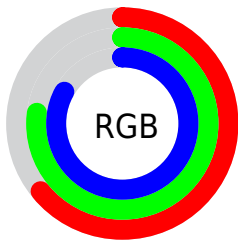
Format	Color
RYB	164, 183, 212
Decimal	10798292
CIELab	77.36, -7.20, -11.55
CIElCh	77, 13.610, 238.083
Yxy	52.1258, 0.2778, 0.3086
Android (android.graphics.Color)	4288988372 (0xFFA4C4D4)
YUV	188.2560, 11.7058, -21.2725
Hunter-Lab	72.1982, -10.3105, -6.8434

Details

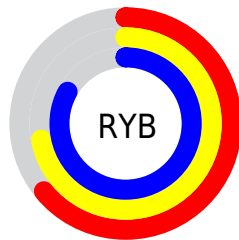
The XYZ color **46.9334, 52.1258, 69.8750** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1740, 49.3201, 41.9983**, and the grayscale version is **47.8921, 50.3862, 54.8705**.

A 20% lighter version of the original color is **82.6905, 92.6862, 108.1397**, and **22.3143, 25.1598, 35.5785** is the 20% darker color. If you saturate the color by 10%, you get **41.3616, 46.9442, 69.1694**, and if you desaturate by 10%, it is **53.3127, 57.8378, 70.6422**.

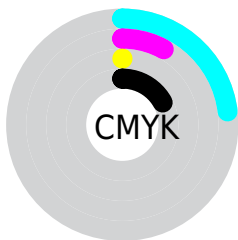
Distribution



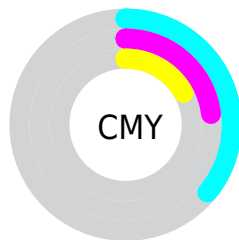
- Red (64%)
- Green (77%)
- Blue (83%)



- Red (64%)
- Yellow (72%)
- Blue (83%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9334, 52.1258, 69.8750 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 46.9334, 52.1258, 69.8750 by changing the saturation by 10% instead.

■ 46.9334, 52.1258,
69.8750

■ 46.9334, 52.1258,
69.8750

365.2020,
394.9221, 478.8882

■ 33.1907, 37.1054,
50.9485

■ 84.8335, 93.3167,
120.7099

■ 22.4325, 25.2891,
35.7911

■ 109.7217,
120.2560, 153.4554

■ 14.2934, 16.2926,
23.9845

139.0558,
151.9371, 191.6442

■ 8.4081, 9.7314,
15.1100

173.2011,
188.7442, 235.6950

■ 4.4112, 5.2212,
8.7492

212.5231,
231.0619, 286.0263

■ 1.9373, 2.3776,
4.4834

257.3869,

■ 0.5984, 0.8144,

279.2745, 343.0565

1.8941

308.1581,
333.7664, 407.2043

■ 0.0000, 0.0000,
0.4890

■ 0.0000, 0.0000,
0.0000

■ 46.9334, 52.1258,
69.8750

■ 46.9334, 52.1258,
69.8750

■ 41.3616, 46.9442,
69.1694

■ 53.3127, 57.8378,
70.6422

■ 36.5555, 42.2658,
68.5197

■ 60.5294, 64.0931,
71.4692

■ 32.4763, 38.0706,
67.9249

■ 68.6175, 70.9120,
72.3591

■ 29.0800, 34.3342,
67.3827

■ 77.6079, 78.3119,
73.3135

■ 26.3171, 31.0296,
66.8905

■ 81.7929, 83.3516,
74.0658

■ 24.1310, 28.1258,
66.4452

■ 83.8144, 87.3947,
74.7396

■ 22.4537, 25.5861,
66.0434

■ 85.9167, 91.5994,
75.4404

■ 21.4596, 23.9050,
65.7713

■ 88.1008, 95.9674,
76.1684

■ 88.8838, 97.5335,
76.4294

Harmonies

Analogous

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



45.2397, 52.1258, 63.8070



46.9334, 52.1258, 69.8750



49.3760, 52.1258, 72.3959

Triad

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



46.9334, 52.1258, 69.8750



54.7401, 52.1258, 57.2392



47.2150, 52.1258, 44.9777

Complementary

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



46.9334, 52.1258, 69.8750



50.1740, 49.3201, 41.9983

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.



49.7124, 52.1258, 43.5485



46.9334, 52.1258, 69.8750



54.1130, 52.1258, 50.2448

Square

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



46.9334, 52.1258, 69.8750



53.9348, 52.1258, 64.7134



52.2497, 52.1258, 45.3915



45.3982, 52.1258, 49.4795

Rectangle

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



46.9334, 52.1258, 69.8750



51.1208, 52.1258, 71.5721



52.2497, 52.1258, 45.3915



48.0000, 52.1258, 44.1404

Sweetspot

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



46.9350, 52.1279, 69.8762



86.9166, 93.0332, 107.9839



47.0113, 58.2432, 51.5193



18.4602, 19.7886, 23.0966



0.0000, 0.0000, 0.0000



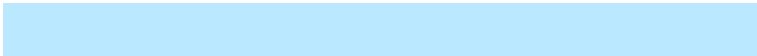
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9350, 52.1279, 69.8762



67.2078, 75.4211, 105.6232



42.0998, 42.4576, 68.2645



12.4273, 13.3780, 15.8647



13.3433, 14.9485, 40.6352



0.8795, 1.0509, 2.4758

Inverse Universe

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



50.3919, 44.5347, 58.1670



73.4036, 62.2703, 84.5342



55.2564, 59.4848, 43.6924



12.7689, 12.5591, 14.7232



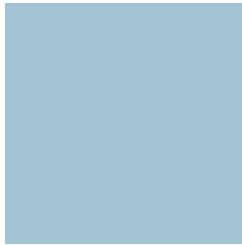
19.7940, 9.8539, 16.7509



1.2316, 0.6094, 1.2088

Previews

White Background



This preview shows how the XYZ color 46.9334, 52.1258, 69.8750 looks on a white background.

Color Contrast Check

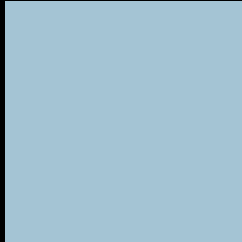
Large Text (above 18pt) WCAG AA × Fail

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 46.9334, 52.1258, 69.8750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

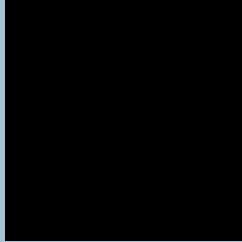
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9334, 52.1258, 69.8750

Background



This preview shows how black text looks on a background with the XYZ color 46.9334, 52.1258, 69.8750.



This preview shows how white text looks on a background with the XYZ color 46.9334, 52.1258,

69.8750.

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

46.9334, 52.1258, 69.8750

Protanopia

50.5690, 51.7681, 67.0015

Deuteranopia

52.9852, 51.9786, 70.8586



Tritanopia

46.9334, 52.1258, 69.8750

Trichromacy



Original Color

46.9334, 52.1258, 69.8750

Protanomaly

49.1807, 52.0060, 67.7677

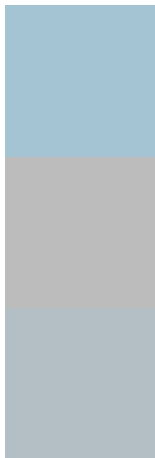
Deuteranomaly

50.6734, 52.0701, 70.3306

Tritanomaly

46.9334, 52.1258, 69.8750

Monochromacy



Original Color

46.9334, 52.1258, 69.8750

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.2993, 50.8765, 60.1505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9334, 52.1258, 69.8750 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(164, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 212)  
}
```

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(164, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.9334, 52.1258, 69.8750 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(164, 196, 212) }
```


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

```
.border{ border-color:rgb(164, 196, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9334, 52.1258, 69.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 212) }
```

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

```
.background{ background-color: rgb(164,  
196, 212) }
```

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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