

Converting Colors

XYZ(46.3673, 50.4358, 56.7258)

Have a look what the booklet for
XYZ(46.3673, 50.4358, 56.7258)
contains.

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Color

**XYZ(46.3949, 50.4882,
56.5901)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BFBF
RGB	178, 191, 191
RGB Percent	70%, 75%, 75%
CMY	0.3020, 0.2510, 0.2510
CMYK	0.07, 0.00, 0.00, 0.25
HSL	180°, 9%, 72%
HSV	180°, 7%, 75%
XYZ	46.3949, 50.4882, 56.5901
YIQ	187.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

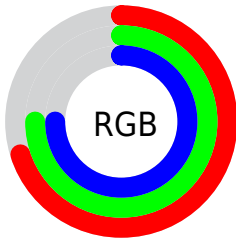
Format	Color
RYB	178, 185, 191
Decimal	11714495
CIELab	76.37, -4.45, -1.55
CIELCh	76, 4.715, 199.146
Yxy	50.4882, 0.3023, 0.3290
Android (android.graphics.Color)	4289904575 (0xFFB2BFBF)
YUV	187.1130, 1.9163, -7.9921
Hunter-Lab	71.0550, -7.7960, 2.5184

Details

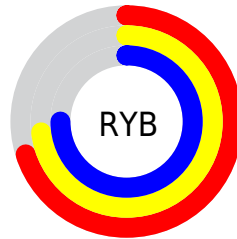
The XYZ color **46.3949, 50.4882, 56.5901** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4440, 46.1329, 48.6314**, and the grayscale version is **47.2917, 49.7546, 54.1827**.

A 20% lighter version of the original color is **83.9809, 90.7294, 101.0819**, and **22.1334, 24.3719, 27.5825** is the 20% darker color. If you saturate the color by 10%, you get **42.3139, 48.3858, 56.3975**, and if you desaturate by 10%, it is **51.0891, 52.9095, 56.8135**.

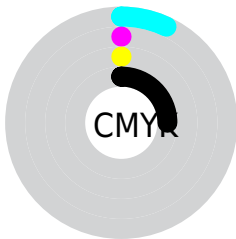
Distribution



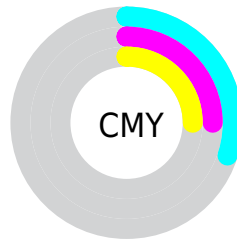
- Red (70%)
- Green (75%)
- Blue (75%)



- Red (70%)
- Yellow (73%)
- Blue (75%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (30%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3949, 50.4882, 56.5901 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 46.3949, 50.4882, 56.5901 by changing the saturation by 10% instead.

■ 46.3949, 50.4882,
56.5901

■ 46.3949, 50.4882,
56.5901

363.0834,
388.5720, 429.3622

■ 32.7635, 35.8015,
40.2691

■ 84.0339, 90.8978,
101.3612

■ 22.1037, 24.2809,
27.4330

108.7723,
117.3894, 130.6484

■ 14.0501, 15.5421,
17.6634

137.9437,
148.5848, 165.0947

■ 8.2375, 9.2007,
10.5417

171.9134,
184.8684, 205.1187

■ 4.3004, 4.8723,
5.6493

211.0469,
226.6245, 251.1389

■ 1.8734, 2.1726,
2.5677

255.7095,

■ 0.5613, 0.7050,

274.2376, 303.5739

0.8757

306.2665,
328.0919, 362.8421

■ 0.0000, 0.0000,
0.0000

■ 46.3949, 50.4882,
56.5901

■ 46.3949, 50.4882,
56.5901

■ 42.3139, 48.3858,
56.3975

■ 51.0891, 52.9095,
56.8135

■ 38.8165, 46.5829,
56.2312

■ 56.4157, 55.6554,
57.0654

■ 35.8776, 45.0679,
56.0911

■ 62.3984, 58.7395,
57.3480

■ 33.4681, 43.8258,
55.9757

■ 69.0587, 62.1730,
57.6623

■ 31.5566, 42.8405,
55.8836

■ 69.2784, 62.2862,
57.6752

■ 30.1083, 42.0939,
55.8132

■ 69.2789, 62.2864,
57.6779

■ 29.0839, 41.5659,
55.7626

■ 69.2794, 62.2866,
57.6805

■ 28.4377, 41.2328,
55.7298

■ 69.2799, 62.2868,
57.6832

■ 28.1077, 41.0627,
55.7117

■ 69.2804, 62.2870,
57.6858

Harmonies

Analogous

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



46.3325, 50.4882, 54.0588



46.3949, 50.4882, 56.5901



46.8809, 50.4882, 58.7495

Triad

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



46.3949, 50.4882, 56.5901



49.2886, 50.4882, 58.2292



48.3093, 50.4882, 50.3158

Complementary

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



46.3949, 50.4882, 56.5901



45.4440, 46.1329, 48.6314

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.



49.1114, 50.4882, 51.3620



46.3949, 50.4882, 56.5901



49.6815, 50.4882, 55.8976

Square

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



46.3949, 50.4882, 56.5901



48.5489, 50.4882, 59.7158



49.6162, 50.4882, 53.3871



47.4305, 50.4882, 50.4883

Rectangle

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



46.3949, 50.4882, 56.5901



47.3832, 50.4882, 59.6633



49.6162, 50.4882, 53.3871



48.5970, 50.4882, 50.5353

Sweetspot

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



46.3963, 50.4903, 56.5912



86.9667, 92.4214, 101.5336



45.0780, 49.9688, 49.3894



19.1158, 20.3045, 22.2967



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



46.3963, 50.4903, 56.5912



82.0659, 89.8950, 101.3014



45.0553, 47.8077, 56.1459



9.8085, 10.8095, 12.2412



18.4208, 26.9586, 36.6085



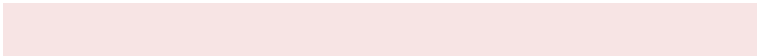
0.7216, 1.0560, 1.4342

Inverse Universe

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



45.4440, 46.1329, 48.6314



80.0479, 80.6614, 84.4341



46.7230, 48.6914, 49.0562



9.5303, 9.5364, 9.9155



14.1204, 7.2793, 0.6619



0.5531, 0.2851, 0.0261

Previews

White Background



This preview shows how the XYZ color 46.3949, 50.4882, 56.5901 looks on a white background.

Color Contrast Check

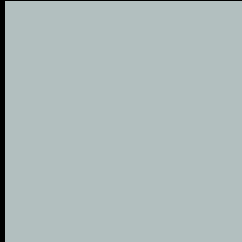
Large Text (above 18pt) WCAG AA × Fail

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 46.3949, 50.4882, 56.5901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

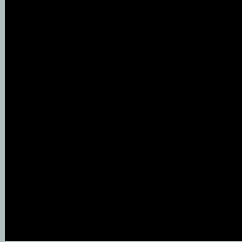
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

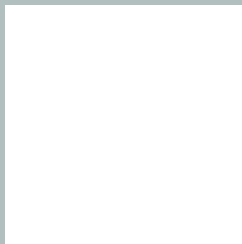
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3949, 50.4882, 56.5901

Background



This preview shows how black text looks on a background with the XYZ color 46.3949, 50.4882, 56.5901.



This preview shows how white text looks on a background with the XYZ color 46.3949, 50.4882,

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

46.3949, 50.4882, 56.5901

Protanopia

48.4415, 50.2911, 55.2981

Deuteranopia

51.2554, 50.1435, 57.4293



Tritanopia

47.9191, 50.4581, 64.3405

Trichromacy



Original Color

46.3949, 50.4882, 56.5901

Protanomaly

47.5272, 50.1232, 55.8850

Deuteranomaly

49.3691, 50.1058, 56.9385

Tritanomaly

47.3127, 50.5341, 61.2933

Monochromacy



Original Color

46.3949, 50.4882, 56.5901

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.8275, 49.7876, 54.7189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3949, 50.4882, 56.5901 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(178, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(178, 191, 191)  
}
```

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(178, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 191, 191) }
```

Border

The CSS property to change the border of an element to XYZ 46.3949, 50.4882, 56.5901 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(178, 191, 191) }
```


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

```
.border{ border-color:rgb(178, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(178, 191,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3949, 50.4882, 56.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 191, 191) }
```

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

```
.background{ background-color: rgb(178,  
191, 191) }
```

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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