

Converting Colors

XYZ(48.4514, 51.2603, 55.7938)

Have a look what the booklet for
XYZ(48.4514, 51.2603, 55.7938)
contains.

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Color

**XYZ(48.4468, 51.2360,
56.0513)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBEBE
RGB	188, 190, 190
RGB Percent	74%, 75%, 75%
CMY	0.2627, 0.2549, 0.2549
CMYK	0.01, 0.00, 0.00, 0.25
HSL	180°, 2%, 74%
HSV	180°, 1%, 75%
XYZ	48.4468, 51.2360, 56.0513
YIQ	189.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

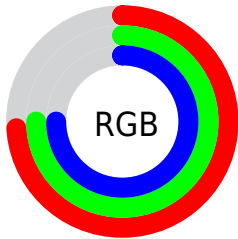
Format	Color
R _Y B	188, 189, 190
Decimal	12369598
CIE Lab	76.82, -0.69, -0.25
CIE LCh	77, 0.734, 200.070
Yxy	51.2360, 0.3111, 0.3290
Android (android.graphics.Color)	4290559678 (0xFFBCBEBE)
YUV	189.4020, 0.2948, -1.2296
Hunter-Lab	71.5793, -4.4503, 3.6776

Details

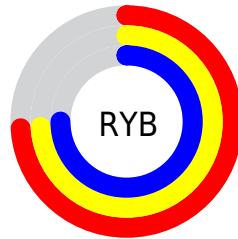
The XYZ color **48.4468, 51.2360, 56.0513** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2975, 50.5459, 54.7904**, and the grayscale version is **48.6001, 51.1311, 55.6817**.

A 20% lighter version of the original color is **86.8985, 91.7985, 100.3276**, and **23.4527, 24.8484, 27.2270** is the 20% darker color. If you saturate the color by 10%, you get **44.0679, 48.9804, 55.8300**, and if you desaturate by 10%, it is **53.4449, 53.8137, 56.3037**.

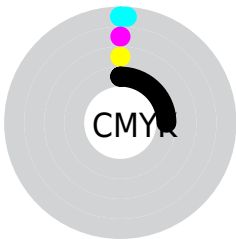
Distribution



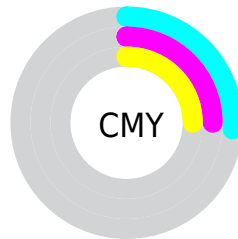
- Red (74%)
- Green (75%)
- Blue (75%)



- Red (74%)
- Yellow (74%)
- Blue (75%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4468, 51.2360, 56.0513 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 48.4468, 51.2360, 56.0513 by changing the saturation by 10% instead.

■ 48.4468, 51.2360,
56.0513

■ 48.4468, 51.2360,
56.0513

371.1136,
391.4800, 427.2785

■ 34.3936, 36.3965,
39.8398

■ 87.0749, 92.0035,
100.5661

■ 23.3604, 24.7405,
27.1008

112.3806,
118.7003, 129.7065

■ 14.9820, 15.8839,
17.4158

142.1677,
150.1183, 163.9936

■ 8.8930, 9.4420,
10.3663

176.8017,
186.6419, 203.8459

■ 4.7280, 5.0306,
5.5338

216.6480,
228.6554, 249.6821

■ 2.1217, 2.2652,
2.4995

262.0718,

■ 0.7010, 0.7552,

276.5434, 301.9205

0.8399

313.4385,
330.6901, 360.9798

■ 0.0000, 0.0000,
0.0000

■ 48.4468, 51.2360,
56.0513

■ 48.4468, 51.2360,
56.0513

■ 44.0679, 48.9804,
55.8300

■ 53.4449, 53.8137,
56.3037

■ 40.2800, 47.0281,
55.6354

■ 59.0803, 56.7184,
56.5848

■ 37.0589, 45.3679,
55.4672

■ 65.3760, 59.9636,
56.8968

■ 34.3776, 43.9860,
55.3244

■ 68.9622, 61.8120,
57.0821

■ 32.2063, 42.8671,
55.2054

■ 68.9655, 61.8133,
57.0996

■ 30.5128, 41.9944,
55.1088

■ 68.9689, 61.8146,
57.1172

■ 29.2610, 41.3495,
55.0328

■ 68.9722, 61.8160,
57.1348

■ 28.4097, 40.9110,
54.9756

■ 68.9755, 61.8173,
57.1523

■ 27.9100, 40.6538,
54.9349

■ 68.9789, 61.8186,
57.1699

Harmonies

Analogous

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



48.4346, 51.2360, 55.6549



48.4468, 51.2360, 56.0513



48.5263, 51.2360, 56.3784

Triad

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



48.4468, 51.2360, 56.0513



48.9042, 51.2360, 56.2818



48.7445, 51.2360, 55.0341

Complementary

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



48.4468, 51.2360, 56.0513



48.2975, 50.5459, 54.7904

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.



48.8706, 51.2360, 55.2004



48.4468, 51.2360, 56.0513



48.9629, 51.2360, 55.9199

Square

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



48.4468, 51.2360, 56.0513



48.7904, 51.2360, 56.5119



48.9506, 51.2360, 55.5241



48.6063, 51.2360, 55.0689

Rectangle

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



48.4468, 51.2360, 56.0513



48.6069, 51.2360, 56.5125



48.9506, 51.2360, 55.5241



48.7898, 51.2360, 55.0683

Sweetspot

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



48.4483, 51.2382, 56.0524



88.6918, 93.3107, 101.6153



48.2393, 51.1556, 54.9093



19.4759, 20.4902, 22.3138



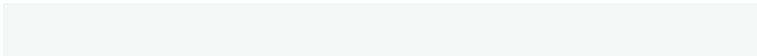
92.9021, 97.7402, 106.4391

Same Dimension

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



48.4483, 51.2382, 56.0524



87.8230, 92.8629, 101.5715



48.2396, 50.8203, 55.9846



10.6254, 11.2306, 12.2796



18.4023, 26.9512, 36.5107



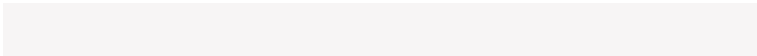
0.7210, 1.0558, 1.4313

Inverse Universe

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



48.2975, 50.5459, 54.7904



87.5596, 91.6532, 99.3665



48.5047, 50.9608, 54.8577



10.5961, 11.0960, 12.0342



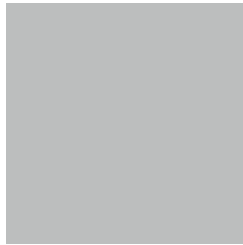
14.1216, 7.2798, 0.6681



0.5534, 0.2852, 0.0273

Previews

White Background



This preview shows how the XYZ color 48.4468, 51.2360, 56.0513 looks on a white background.

Color Contrast Check

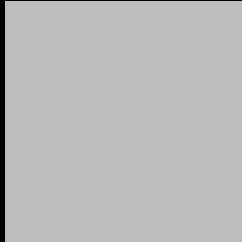
Large Text (above 18pt) WCAG AA × Fail

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 48.4468, 51.2360, 56.0513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

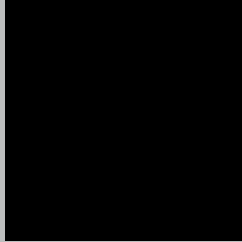
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

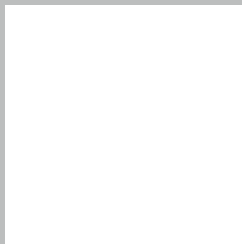
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4468, 51.2360, 56.0513

Background



This preview shows how black text looks on a background with the XYZ color 48.4468, 51.2360, 56.0513.

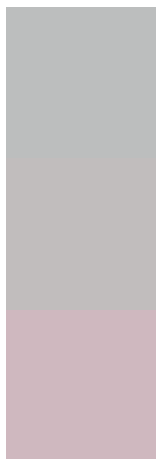


This preview shows how white text looks on a background with the XYZ color 48.4468, 51.2360,

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

48.4468, 51.2360, 56.0513

Protanopia

49.3752, 51.4068, 55.4643

Deuteranopia

52.2766, 51.3080, 56.4384



Tritanopia

49.9979, 51.2254, 63.7522

Trichromacy



Original Color

48.4468, 51.2360, 56.0513

Protanomaly

48.8688, 51.1457, 55.4406

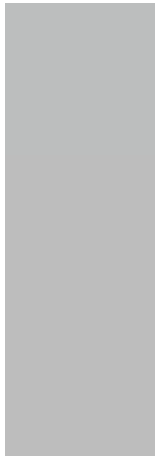
Deuteranomaly

50.7823, 51.1588, 56.4883

Tritanomaly

49.3769, 51.2912, 60.7238

Monochromacy



Original Color

48.4468, 51.2360, 56.0513

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3692, 50.8881, 55.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4468, 51.2360, 56.0513 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(188, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 190)  
}
```

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(188, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 190) }
```

Border

The CSS property to change the border of an element to XYZ 48.4468, 51.2360, 56.0513 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(188, 190, 190) }
```

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

```
.border{ border-color:rgb(188, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
190) }
```


Background

The CSS property to change the background color of an element to XYZ 48.4468, 51.2360, 56.0513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 190) }
```

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

```
.background{ background-color: rgb(188,  
190, 190) }
```

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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