

Converting Colors

XYZ(49.3033, 51.6649, 56.6640)

Have a look what the booklet for
XYZ(49.3033, 51.6649, 56.6640)
contains.

XYZ(49.3033, 51.6649, 56.6640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(49.3033, 51.6649,
56.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBEBF
RGB	191, 190, 191
RGB Percent	75%, 75%, 75%
CMY	0.2510, 0.2549, 0.2510
CMYK	0.00, 0.01, 0.00, 0.25
HSL	300°, 1%, 75%
HSV	300°, 1%, 75%
XYZ	49.3033, 51.6649, 56.6640
YIQ	190.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

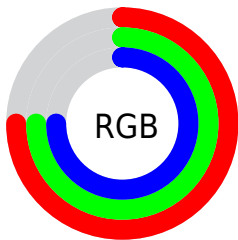
Format	Color
RYB	191, 190, 191
Decimal	12566207
CIELab	77.08, 0.54, -0.39
CIELCh	77, 0.663, 324.093
Yxy	51.6649, 0.3128, 0.3278
Android (android.graphics.Color)	4290756287 (0xFFBFBEBF)
YUV	190.4130, 0.2894, 0.5148
Hunter-Lab	71.8783, -3.3490, 3.5746

Details

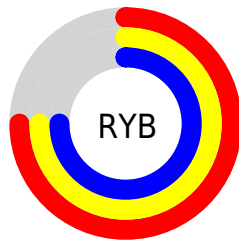
The XYZ color **49.3033, 51.6649, 56.6640** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1623, 51.9279, 56.1498**, and the grayscale version is **49.1812, 51.7425, 56.3475**.

A 20% lighter version of the original color is **88.1020, 92.4011, 101.1874**, and **24.0143, 25.1296, 27.6296** is the 20% darker color. If you saturate the color by 10%, you get **45.4345, 43.9276, 55.3752**, and if you desaturate by 10%, it is **53.7171, 60.4909, 58.1357**.

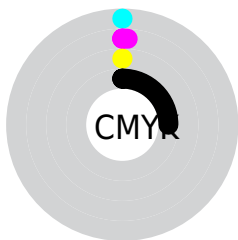
Distribution



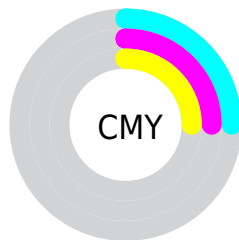
- Red (75%)
- Green (75%)
- Blue (75%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3033, 51.6649, 56.6640 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 49.3033, 51.6649, 56.6640 by changing the saturation by 10% instead.

■ 49.3033, 51.6649,
56.6640

■ 49.3033, 51.6649,
56.6640

374.4323,
393.1416, 429.6475

■ 35.0757, 36.7380,
40.3280

■ 88.3398, 92.6369,
101.4702

■ 23.8880, 25.0047,
27.4786

113.8793,
119.4507, 130.7775

■ 15.3748, 16.0806,
17.6974

143.9202,
150.9957, 165.2456

■ 9.1709, 9.5812,
10.5658

178.8278,
187.6563, 205.2931

■ 4.9108, 5.1222,
5.6652

218.9674,
229.8167, 251.3385

■ 2.2292, 2.3191,
2.5771

264.7045,

■ 0.7581, 0.7838,

277.8615, 303.8003

0.8806

316.4043,
332.1750, 363.0971

■ 0.0000, 0.0000,
0.0000

■ 49.3033, 51.6649,
56.6640

■ 49.3033, 51.6649,
56.6640

■ 45.4345, 43.9276,
55.3752

■ 53.7171, 60.4909,
58.1357

■ 42.0855, 37.2305,
54.2591

■ 58.6914, 70.4385,
59.7936

■ 39.2354, 31.5314,
53.3092

■ 64.2464, 81.5475,
61.6451

■ 36.8604, 26.7823,
52.5178

■ 66.6529, 86.3595,
62.4471

■ 34.9347, 22.9318,
51.8760

■ 66.6536, 86.3599,
62.4471

■ 33.4299, 19.9233,
51.3746

■ 66.6542, 86.3602,
62.4472

■ 32.3146, 17.6937,
51.0031

■ 66.6549, 86.3605,
62.4472

■ 31.5530, 16.1713,
50.7494

■ 66.6555, 86.3609,
62.4472

■ 31.1024, 15.2711,
50.5994

■ 66.6562, 86.3612,
62.4472

Harmonies

Analogous

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



49.2053, 51.6649, 56.8929



49.3033, 51.6649, 56.6640



49.3484, 51.6649, 56.3260

Triad

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



49.3033, 51.6649, 56.6640



49.1310, 51.6649, 55.5639



48.8841, 51.6649, 56.5393

Complementary

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



49.3033, 51.6649, 56.6640



49.1623, 51.9279, 56.1498

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.



48.8643, 51.6649, 56.1826



49.3033, 51.6649, 56.6640



49.0067, 51.6649, 55.6205

Square

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



49.3033, 51.6649, 56.6640



49.2488, 51.6649, 55.6917



48.9091, 51.6649, 55.8466



48.9634, 51.6649, 56.8207

Rectangle

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



49.3033, 51.6649, 56.6640



49.3423, 51.6649, 56.0848



48.9091, 51.6649, 55.8466



48.8703, 51.6649, 56.4242

Sweetspot

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



49.3048, 51.6671, 56.6651



88.6918, 93.3107, 101.6153



49.0586, 51.5455, 56.6546



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.



49.3048, 51.6671, 56.6651



87.9388, 91.8049, 101.3644



49.2519, 51.6460, 56.3863



10.6383, 11.1129, 12.2565



20.2962, 9.7491, 33.2049



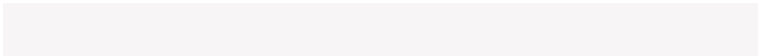
0.7951, 0.3819, 1.3007

Inverse Universe

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



49.1955, 51.6234, 56.0894



87.5590, 91.6530, 99.3636



49.2150, 51.9490, 56.4277



10.5960, 11.0960, 12.0339



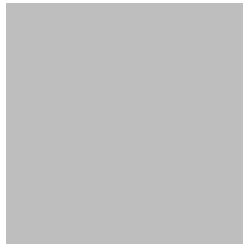
14.1203, 7.2793, 0.6614



0.5531, 0.2851, 0.0260

Previews

White Background



This preview shows how the XYZ color 49.3033, 51.6649, 56.6640 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 49.3033, 51.6649, 56.6640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

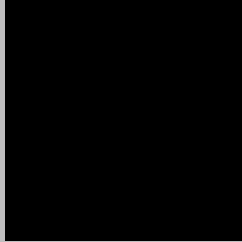
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

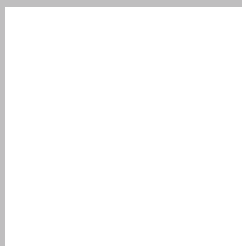
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3033, 51.6649, 56.6640

Background



This preview shows how black text looks on a background with the XYZ color 49.3033, 51.6649, 56.6640.

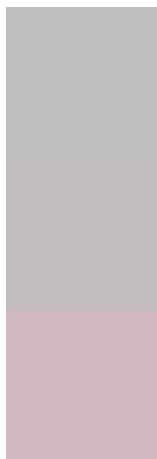


This preview shows how white text looks on a background with the XYZ color 49.3033, 51.6649,

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

49.3033, 51.6649, 56.6640

Protanopia

49.5939, 51.4942, 56.6157

Deuteranopia

52.6673, 51.4966, 57.0332



Tritanopia

50.7550, 51.6157, 63.7877

Trichromacy



Original Color

49.3033, 51.6649, 56.6640

Protanomaly

49.3398, 51.3632, 56.6038

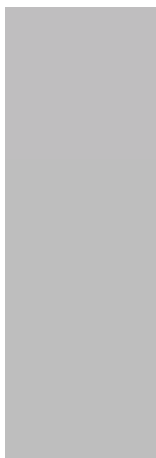
Deuteranomaly

51.4305, 51.4801, 57.0952

Tritanomaly

50.2446, 51.7252, 61.3686

Monochromacy



Original Color

49.3033, 51.6649, 56.6640

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9429, 51.4918, 56.0745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3033, 51.6649, 56.6640 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(191, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 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(191, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.3033, 51.6649, 56.6640 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(191, 190, 191) }
```

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

```
.border{ border-color:rgb(191, 190, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 190, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
191) }
```


Background

The CSS property to change the background color of an element to XYZ 49.3033, 51.6649, 56.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 190, 191) }
```

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

```
.background{ background-color: rgb(191,  
190, 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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