

Converting Colors

XYZ(48.6837, 51.5077, 52.7367)

Have a look what the booklet for
XYZ(48.6837, 51.5077, 52.7367)
contains.

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Color

**XYZ(48.5510, 51.3640,
52.7027)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBEB8
RGB	191, 190, 184
RGB Percent	75%, 75%, 72%
CMY	0.2510, 0.2549, 0.2784
CMYK	0.00, 0.01, 0.04, 0.25
HSL	51°, 5%, 74%
HSV	51°, 4%, 75%
XYZ	48.5510, 51.3640, 52.7027
YIQ	189.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

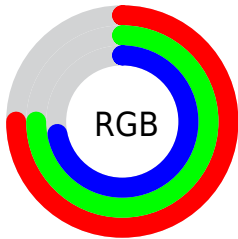
Format	Color
RYB	185, 191, 184
Decimal	12566200
CIELab	76.90, -0.74, 3.14
CIELCh	77, 3.224, 103.208
Yxy	51.3640, 0.3181, 0.3366
Android (android.graphics.Color)	4290756280 (0xFFBFBEB8)
YUV	189.6150, -2.7682, 1.2146
Hunter-Lab	71.6687, -4.4977, 6.5682

Details

The XYZ color **48.5510, 51.3640, 52.7027** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5199, 48.6489, 56.2290**, and the grayscale version is **48.7378, 51.2759, 55.8395**.

A 20% lighter version of the original color is **87.0417, 91.9770, 95.6038**, and **23.5236, 24.9333, 25.0455** is the 20% darker color. If you saturate the color by 10%, you get **46.0999, 49.4520, 42.6657**, and if you desaturate by 10%, it is **51.2864, 53.4105, 64.1695**.

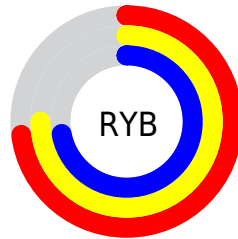
Distribution



Red (75%)

Green (75%)

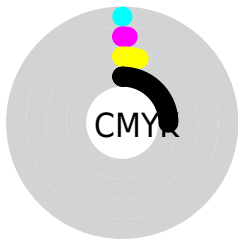
Blue (72%)



Red (73%)

Yellow (75%)

Blue (72%)

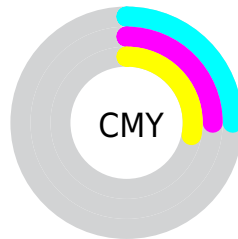


Cyan (0%)

Magenta (1%)

Yellow (4%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5510, 51.3640, 52.7027 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 48.5510, 51.3640, 52.7027 by changing the saturation by 10% instead.

■ 48.5510, 51.3640,
52.7027

■ 48.5510, 51.3640,
52.7027

371.5184,
391.9764, 414.1774

■ 34.4765, 36.4984,
37.1794

■ 87.2290, 92.1926,
95.6039

■ 23.4245, 24.8193,
25.0495

112.5631,
118.9244, 123.8188

■ 15.0297, 15.9425,
15.8946

142.3813,
150.3803, 157.1013

■ 8.9267, 9.4835,
9.2961

177.0487,
186.9448, 195.8701

■ 4.7501, 5.0579,
4.8354

216.9307,
229.0023, 240.5435

■ 2.1346, 2.2813,
2.0939

262.3928,

■ 0.7079, 0.7638,

276.9371, 291.5401

0.6122

313.8002,
331.1336, 349.2786

■ 0.0000, 0.0000,
0.0000

■ 48.5510, 51.3640,
52.7027

■ 48.5510, 51.3640,
52.7027

■ 46.0999, 49.4520,
42.6657

■ 51.2864, 53.4105,
64.1695

■ 43.9179, 47.6635,
33.9984

■ 54.3119, 55.5892,
77.1162

■ 41.9949, 45.9960,
26.6414

■ 57.6387, 57.9060,
91.5946

■ 40.3185, 44.4444,
20.5299

■ 60.3939, 60.0121,
103.0081

■ 38.8753, 43.0032,
15.5932

■ 61.0326, 61.2895,
103.2210

■ 37.6504, 41.6665,
11.7537

■ 61.6826, 62.5895,
103.4377

■ 36.6274, 40.4275,
8.9246

■ 62.3439, 63.9121,
103.6581

■ 35.7871, 39.2785,
7.0056

■ 63.0166, 65.2575,
103.8824

■ 35.1065, 38.2102,
5.8761

■ 63.7007, 66.6257,
104.1104

Harmonies

Analogous

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



49.1614, 51.3640, 52.7553



48.5510, 51.3640, 52.7027



48.0170, 51.3640, 53.5010

Triad

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



48.5510, 51.3640, 52.7027



47.9654, 51.3640, 58.2709



49.9576, 51.3640, 56.9081

Complementary

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



48.5510, 51.3640, 52.7027



46.5199, 48.6489, 56.2290

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.



49.6318, 51.3640, 58.4246



48.5510, 51.3640, 52.7027



48.4800, 51.3640, 59.2227

Square

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



48.5510, 51.3640, 52.7027



47.6809, 51.3640, 56.7019



49.0899, 51.3640, 59.2795



49.9770, 51.3640, 55.1586

Rectangle

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



48.5510, 51.3640, 52.7027



47.7748, 51.3640, 54.4181



49.0899, 51.3640, 59.2795



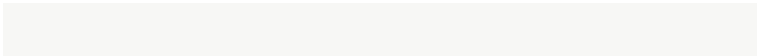
49.8802, 51.3640, 57.4629

Sweetspot

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



48.5524, 51.3662, 52.7038



88.2041, 92.9432, 99.5784



47.3892, 48.8630, 52.8611



19.3741, 20.4135, 21.8887



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.



48.5524, 51.3662, 52.7038



86.7723, 91.8553, 93.6270



48.1579, 51.4842, 52.7474



10.4561, 11.0786, 11.1783



22.8686, 24.7759, 3.5769



0.9280, 1.0349, 0.1508

Inverse Universe

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



46.5199, 48.6489, 56.2290



82.7468, 86.4735, 100.6090



46.9043, 48.5389, 56.1875



9.8988, 10.3334, 12.1450



6.4767, 3.0651, 32.6432



0.2893, 0.1914, 1.2905

Previews

White Background



This preview shows how the XYZ color 48.5510, 51.3640, 52.7027 looks on a white background.

Color Contrast Check

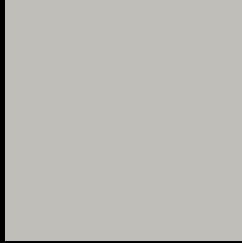
Large Text (above 18pt) WCAG AA × Fail

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 48.5510, 51.3640, 52.7027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

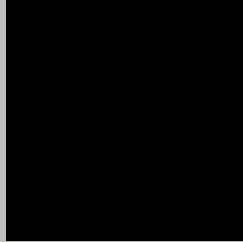
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5510, 51.3640, 52.7027

Background



This preview shows how black text looks on a background with the XYZ color 48.5510, 51.3640, 52.7027.

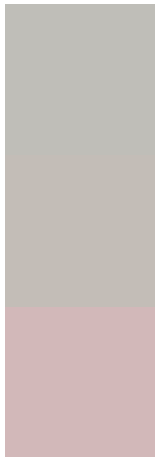


This preview shows how white text looks on a background with the XYZ color 48.5510, 51.3640,

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

48.5510, 51.3640, 52.7027

Protanopia

49.2505, 51.4162, 52.1283

Deuteranopia

52.4758, 51.4854, 53.0708



Tritanopia

50.6791, 51.2742, 63.1030

Trichromacy



Original Color

48.5510, 51.3640, 52.7027

Protanomaly

48.9930, 51.2834, 52.1162

Deuteranomaly

50.9445, 51.3171, 53.1191

Tritanomaly

49.8259, 51.2440, 58.8947

Monochromacy



Original Color

48.5510, 51.3640, 52.7027

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7258, 51.4049, 54.9310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5510, 51.3640, 52.7027 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 184) }
```

Border

The CSS property to change the border of an element to XYZ 48.5510, 51.3640, 52.7027 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, 184) }
```


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

```
.border{ border-color:rgb(191, 190, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 184);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5510, 51.3640, 52.7027 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, 184) }
```

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

```
.background{ background-color: rgb(191,  
190, 184) }
```

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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