

Converting Colors

XYZ(49.1222, 52.5315, 58.0139)

Have a look what the booklet for
XYZ(49.1222, 52.5315, 58.0139)
contains.

XYZ(49.1891, 52.5550, 58.0037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1891, 52.5550,
58.0037)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC1C1
RGB	187, 193, 193
RGB Percent	73%, 76%, 76%
CMY	0.2667, 0.2431, 0.2431
CMYK	0.03, 0.00, 0.00, 0.24
HSL	180°, 5%, 75%
HSV	180°, 3%, 76%
XYZ	49.1891, 52.5550, 58.0037
YIQ	191.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

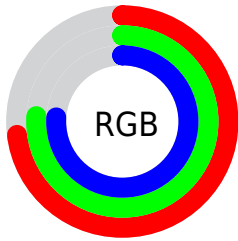
Format	Color
RYB	187, 190, 193
Decimal	12304833
CIELab	77.61, -2.06, -0.73
CIElCh	78, 2.190, 199.479
Yxy	52.5550, 0.3079, 0.3290
Android (android.graphics.Color)	4290494913 (0xFFBBC1C1)
YUV	191.2060, 0.8844, -3.6887
Hunter-Lab	72.4948, -5.7504, 3.3080

Details

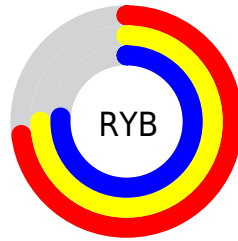
The XYZ color **49.1891, 52.5550, 58.0037** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.7342, 50.4673, 54.1888**, and the grayscale version is **49.6385, 52.2236, 56.8715**.

A 20% lighter version of the original color is **87.9367, 93.6456, 103.0632**, and **23.9432, 25.7179, 28.5131** is the 20% darker color. If you saturate the color by 10%, you get **44.7804, 50.2839, 57.7925**, and if you desaturate by 10%, it is **54.2354, 55.1578, 58.2469**.

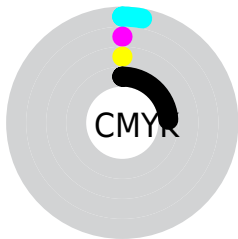
Distribution



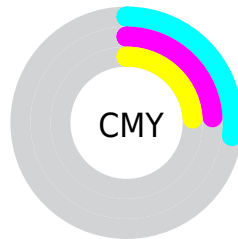
- Red (73%)
- Green (76%)
- Blue (76%)



- Red (73%)
- Yellow (75%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (27%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1891, 52.5550, 58.0037 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 49.1891, 52.5550, 58.0037 by changing the saturation by 10% instead.

■ 49.1891, 52.5550,
58.0037

■ 49.1891, 52.5550,
58.0037

373.9909,
396.5755, 434.7984

■ 34.9847, 37.4476,
41.3969

■ 88.1713, 93.9492,
103.4431

■ 23.8175, 25.5543,
28.3073

113.6797,
121.0049, 133.1127

■ 15.3223, 16.4905,
18.3164

143.6869,
152.8121, 167.9738

■ 9.1337, 9.8719,
11.0056

178.5581,
189.7553, 208.4447

■ 4.8863, 5.3141,
5.9564

218.6588,
232.2188, 254.9441

■ 2.2148, 2.4327,
2.7502

264.3542,

■ 0.7505, 0.8426,

280.5871, 307.8905

0.9686

316.0098,
335.2445, 367.7024

■ 0.0000, 0.0000,
0.0000

■ 49.1891, 52.5550,
58.0037

■ 49.1891, 52.5550,
58.0037

■ 44.7804, 50.2839,
57.7925

■ 54.2354, 55.1578,
58.2469

■ 40.9798, 48.3247,
57.6086

■ 59.9385, 58.0977,
58.5198

■ 37.7618, 46.6659,
57.4520

■ 66.3224, 61.3886,
58.8246

■ 35.0977, 45.2926,
57.3213

■ 69.9414, 63.2541,
59.0000

■ 32.9562, 44.1888,
57.2151

■ 69.9425, 63.2546,
59.0060

■ 31.3030, 43.3366,
57.1318

■ 69.9437, 63.2551,
59.0121

■ 30.0997, 42.7164,
57.0695

■ 69.9448, 63.2555,
59.0181

■ 29.3020, 42.3054,
57.0261

■ 69.9460, 63.2560,
59.0242

■ 28.8568, 42.0760,
56.9993

■ 69.9471, 63.2564,
59.0302

Harmonies

Analogous

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



49.1566, 52.5550, 56.7992



49.1891, 52.5550, 58.0037



49.4254, 52.5550, 59.0124

Triad

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



49.1891, 52.5550, 58.0037



50.5728, 52.5550, 58.7502



50.1006, 52.5550, 54.9638

Complementary

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



49.1891, 52.5550, 58.0037



48.7342, 50.4673, 54.1888

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.



50.4823, 52.5550, 55.4710



49.1891, 52.5550, 58.0037



50.7559, 52.5550, 57.6498

Square

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



49.1891, 52.5550, 58.0037



50.2237, 52.5550, 59.4476



50.7226, 52.5550, 56.4502



49.6812, 52.5550, 55.0555

Rectangle

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



49.1891, 52.5550, 58.0037



49.6674, 52.5550, 59.4328



50.7226, 52.5550, 56.4502



50.2376, 52.5550, 55.0696

Sweetspot

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



49.1906, 52.5572, 58.0049



89.8933, 95.0520, 103.9682



48.5591, 52.3075, 54.5514



19.2947, 20.3968, 22.3051



92.9021, 97.7402, 106.4391



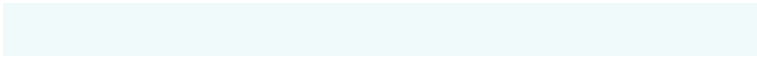
19.4759, 20.4902, 22.3138

Same Dimension

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



49.1906, 52.5572, 58.0049



87.2959, 93.7131, 103.8434



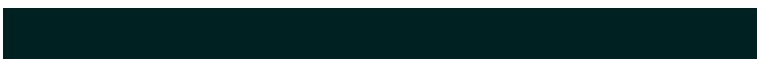
48.5557, 51.2869, 57.7950



10.8375, 11.6702, 12.9656



19.0784, 27.9254, 37.9017



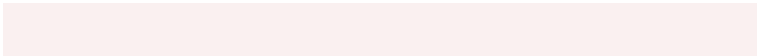
0.8244, 1.2066, 1.6380

Inverse Universe

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



48.7342, 50.4673, 54.1888



86.2351, 88.8551, 94.9731



49.3557, 51.7108, 54.3942



10.6853, 10.9734, 11.6933



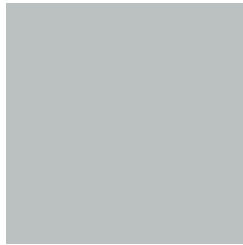
14.6280, 7.5409, 0.6870



0.6321, 0.3259, 0.0301

Previews

White Background



This preview shows how the XYZ color 49.1891, 52.5550, 58.0037 looks on a white background.

Color Contrast Check

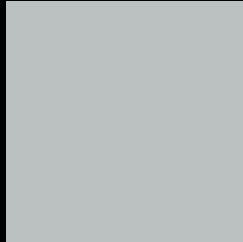
Large Text (above 18pt) WCAG AA × Fail

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 49.1891, 52.5550, 58.0037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

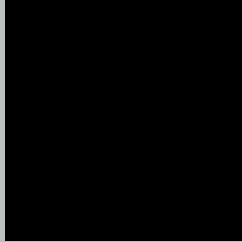
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

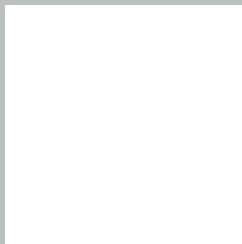
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1891, 52.5550, 58.0037

Background



This preview shows how black text looks on a background with the XYZ color 49.1891, 52.5550, 58.0037.

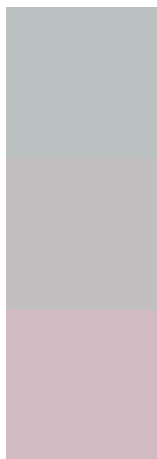


This preview shows how white text looks on a background with the XYZ color 49.1891, 52.5550,

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

49.1891, 52.5550, 58.0037

Protanopia

50.6509, 52.6695, 57.3658

Deuteranopia

53.5910, 52.5682, 58.3611



Tritanopia

50.7576, 52.5367, 65.8579

Trichromacy



Original Color

49.1891, 52.5550, 58.0037

Protanomaly

50.1023, 52.7115, 57.4028

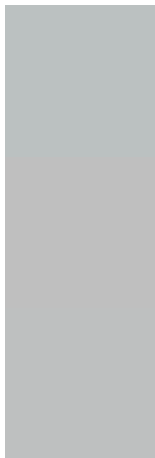
Deuteranomaly

52.0226, 52.7077, 58.4707

Tritanomaly

50.1313, 52.6077, 62.7704

Monochromacy



Original Color

49.1891, 52.5550, 58.0037

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.5993, 52.4522, 57.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1891, 52.5550, 58.0037 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(187, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(187, 193, 193)  
}
```

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(187, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 193, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.1891, 52.5550, 58.0037 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(187, 193, 193) }
```


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

```
.border{ border-color:rgb(187, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(187, 193,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1891, 52.5550, 58.0037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 193, 193) }
```

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

```
.background{ background-color: rgb(187,  
193, 193) }
```

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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