

Converting Colors

XYZ(48.0347, 52.8147, 46.6790)

Have a look what the booklet for
XYZ(48.0347, 52.8147, 46.6790)
contains.

XYZ(48.1967, 52.9559, 46.7110)	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(48.1967, 52.9559,
46.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC3AC
RGB	190, 195, 172
RGB Percent	75%, 76%, 67%
CMY	0.2549, 0.2353, 0.3255
CMYK	0.03, 0.00, 0.12, 0.24
HSL	73°, 16%, 72%
HSV	73°, 12%, 76%
XYZ	48.1967, 52.9559, 46.7110
YIQ	190.8830, 4.4030, -8.2130

Conversions

Conversions Part 2

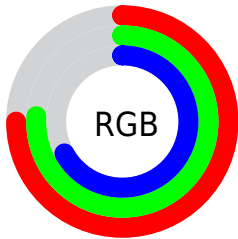
Format	Color
RYB	172, 195, 177
Decimal	12501932
CIELab	77.85, -5.81, 10.97
CIELCh	78, 12.410, 117.894
Yxy	52.9559, 0.3260, 0.3581
Android (android.graphics.Color)	4290692012 (0xFFBEC3AC)
YUV	190.8830, -9.3093, -0.7744
Hunter-Lab	72.7708, -9.1269, 12.8818

Details

The XYZ color **48.1967, 52.9559, 46.7110** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7364, 42.7937, 57.6401**, and the grayscale version is **49.5051, 52.0832, 56.7186**.

A 20% lighter version of the original color is **86.6816, 94.7597, 86.3949**, and **23.2316, 25.7242, 21.5101** is the 20% darker color. If you saturate the color by 10%, you get **45.4160, 51.7247, 37.5116**, and if you desaturate by 10%, it is **51.2860, 54.3175, 57.3616**.

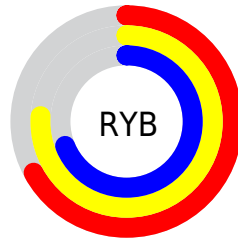
Distribution



Red (75%)

Green (76%)

Blue (67%)



Red (67%)

Yellow (76%)

Blue (69%)

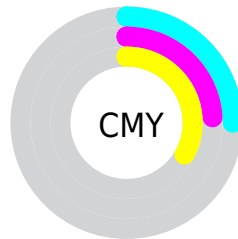


Cyan (3%)

Magenta (0%)

Yellow (12%)

Black (24%)



Cyan (25%)

Magenta (24%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1967, 52.9559, 46.7110 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 48.1967, 52.9559, 46.7110 by changing the saturation by 10% instead.

■ 48.1967, 52.9559,
46.7110

■ 48.1967, 52.9559,
46.7110

370.1409,
398.1159, 390.0201

■ 34.1946, 37.7676,
32.4545

■ 86.7051, 94.5395,
86.6275

■ 23.2067, 25.8023,
21.4412

111.9421,
121.7035, 113.1247

■ 14.8678, 16.6758,
13.2525

141.6548,
153.6282, 144.5392

■ 8.8123, 10.0036,
7.4699

176.2086,
190.6980, 181.2895

■ 4.6751, 5.4014,
3.6748

215.9687,
233.2973, 223.7942

■ 2.0907, 2.4846,
1.4487

261.3005,

■ 0.6842, 0.8689,

281.8104, 272.4718

0.1793

312.5695,
336.6218, 327.7410

■ 0.0000, 0.0000,
0.0000

■ 48.1967, 52.9559,
46.7110

■ 48.1967, 52.9559,
46.7110

■ 45.4160, 51.7247,
37.5116

■ 51.2860, 54.3175,
57.3616

■ 42.9274, 50.6122,
29.6971

■ 54.6910, 55.8073,
69.5190

■ 40.7193, 49.6153,
23.2014

■ 58.4240, 57.4319,
83.2400

■ 38.7775, 48.7285,
17.9513

■ 62.4953, 59.1955,
98.5773

■ 37.0866, 47.9455,
13.8668

■ 64.4904, 60.1323,
102.8154

■ 35.6292, 47.2593,
10.8584

■ 65.7235, 60.7680,
102.8731

■ 34.3858, 46.6620,
8.8235

■ 66.9888, 61.4203,
102.9323

■ 33.3327, 46.1442,
7.6400

■ 68.2868, 62.0894,
102.9931

■ 32.5750, 45.7644,
7.1165

■ 69.6175, 62.7754,
103.0554

Harmonies

Analogous

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



50.5035, 52.9559, 45.3919



48.1967, 52.9559, 46.7110



46.5100, 52.9559, 50.8920

Triad

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



48.1967, 52.9559, 46.7110



47.9107, 52.9559, 69.6441



55.1058, 52.9559, 58.1490

Complementary

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



48.1967, 52.9559, 46.7110



42.7364, 42.7937, 57.6401

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.



54.3599, 52.9559, 65.0028



48.1967, 52.9559, 46.7110



50.1629, 52.9559, 71.9605

Square

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



48.1967, 52.9559, 46.7110



46.3487, 52.9559, 64.0922



52.5315, 52.9559, 70.1987



54.5394, 52.9559, 51.6732

Rectangle

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



48.1967, 52.9559, 46.7110



45.9380, 52.9559, 54.9220



52.5315, 52.9559, 70.1987



54.9998, 52.9559, 60.4875

Sweetspot

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



48.1981, 52.9582, 46.7121



90.5471, 96.7066, 98.1758



45.6727, 46.0199, 45.5060



19.7339, 21.1360, 21.1689



0.0000, 0.0000, 0.0000



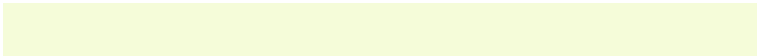
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1981, 52.9582, 46.7121



85.0634, 94.2888, 79.4349



45.4421, 51.5374, 46.5832



10.6921, 11.6443, 10.7459



21.2444, 29.7807, 4.6286



0.9725, 1.3149, 0.2025

Inverse Universe

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



42.7364, 42.7937, 57.6401



73.4700, 72.7124, 102.6324



45.4629, 44.1993, 57.7677



9.7286, 9.8513, 12.6736



7.0935, 2.9173, 33.7458



0.3669, 0.1572, 1.4609

Previews

White Background



This preview shows how the XYZ color 48.1967, 52.9559, 46.7110 looks on a white background.

Color Contrast Check

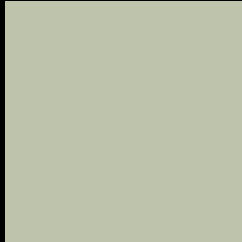
Large Text (above 18pt) WCAG AA × Fail

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 48.1967, 52.9559, 46.7110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

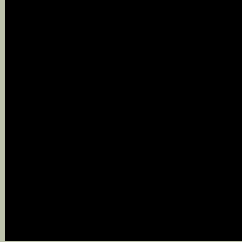
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

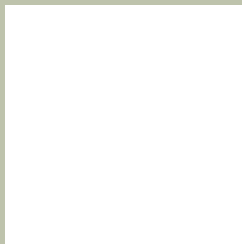
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1967, 52.9559, 46.7110

Background



This preview shows how black text looks on a background with the XYZ color 48.1967, 52.9559, 46.7110.



This preview shows how white text looks on a background with the XYZ color 48.1967, 52.9559,

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

48.1967, 52.9559, 46.7110

Protanopia

50.1927, 53.0191, 45.6185

Deuteranopia

53.9024, 52.6593, 47.3677



Tritanopia

51.9386, 52.8368, 65.2187

Trichromacy



Original Color

48.1967, 52.9559, 46.7110

Protanomaly

49.4466, 52.9505, 46.1424

Deuteranomaly

51.7528, 52.8222, 47.0032

Tritanomaly

50.4676, 52.8870, 58.0004

Monochromacy



Original Color

48.1967, 52.9559, 46.7110

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9872, 52.2363, 52.8481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1967, 52.9559, 46.7110 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(190, 195, 172)` looks like.

```
.text, #text, p{  
    color:rgb(190, 195, 172)  
}
```

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(190, 195, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 195, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.1967, 52.9559, 46.7110 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(190, 195, 172) }
```


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

```
.border{ border-color:rgb(190, 195, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 195, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 195, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 195, 172);  
box-shadow:4px 4px 4px 4px rgb(190, 195,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1967, 52.9559, 46.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 195, 172) }
```

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

```
.background{ background-color: rgb(190,  
195, 172) }
```

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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