

Converting Colors

XYZ(49.9144, 50.9273, 48.1252)

Have a look what the booklet for
XYZ(49.9144, 50.9273, 48.1252)
contains.

XYZ(50.0240, 50.9489, 48.2719)	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(50.0240, 50.9489,
48.2719)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBAB0
RGB	203, 186, 176
RGB Percent	80%, 73%, 69%
CMY	0.2039, 0.2706, 0.3098
CMYK	0.00, 0.08, 0.13, 0.20
HSL	22°, 21%, 74%
HSV	22°, 13%, 80%
XYZ	50.0240, 50.9489, 48.2719
YIQ	189.9430, 13.3420, 0.4940

Conversions

Conversions Part 2

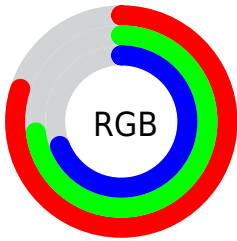
Format	Color
R_{YB}	203, 192, 176
Decimal	13351600
CIE _{Lab}	76.65, 4.35, 7.24
CIE _{LCh}	77, 8.441, 59.007
Yxy	50.9489, 0.3352, 0.3414
Android (android.graphics.Color)	4291541680 (0xFFCBBAB0)
YUV	189.9430, -6.8739, 11.4510
Hunter-Lab	71.3785, 0.1853, 9.8683

Details

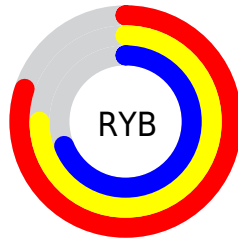
The XYZ color **50.0240, 50.9489, 48.2719** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7538, 51.6809, 63.9590**, and the grayscale version is **48.9448, 51.4938, 56.0767**.

A 20% lighter version of the original color is **87.5576, 90.5905, 89.2149**, and **24.4200, 24.6199, 22.5338** is the 20% darker color. If you saturate the color by 10%, you get **45.5913, 45.0608, 37.6147**, and if you desaturate by 10%, it is **55.0007, 57.4433, 60.5935**.

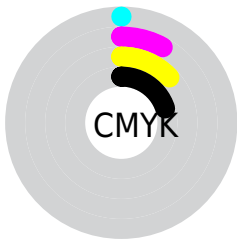
Distribution



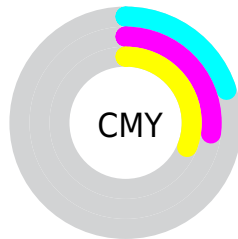
- Red (80%)
- Green (73%)
- Blue (69%)



- Red (80%)
- Yellow (75%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (13%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0240, 50.9489, 48.2719 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 50.0240, 50.9489, 48.2719 by changing the saturation by 10% instead.


 50.0240, 50.9489,
48.2719

 50.0240, 50.9489,
48.2719


377.2102,
390.3652, 396.4086

 35.6503, 36.1679,
33.6807


 89.4020, 91.5792,
88.9789

 24.3331, 24.5639,
22.3731

115.1371,
118.1974, 115.9317

 15.7070, 15.7525,
13.9303


145.3901,
149.5301, 147.8423

 9.4066, 9.3492,
7.9340

180.5263,
185.9617, 185.1290

 5.0665, 4.9696,
3.9656

220.9110,
227.8766, 228.2104

 2.3215, 2.2294,
1.6065

266.9097,

 0.8056, 0.7360,

275.6593, 277.5052

0.2954

318.8876,
329.6940, 333.4317

■ 0.0000, 0.0000,
0.0000

■ 50.0240, 50.9489,
48.2719

■ 50.0240, 50.9489,
48.2719

■ 45.5913, 45.0608,
37.6147

■ 55.0007, 57.4433,
60.5935

■ 41.6788, 39.7542,
28.5467

■ 60.5357, 64.5542,
74.6439

■ 38.2672, 35.0128,
20.9914

■ 66.6480, 72.3002,
90.4881

■ 35.3340, 30.8165,
14.8650

■ 72.9978, 80.5545,
106.3089

■ 32.8550, 27.1442,
10.0751

■ 76.8330, 88.2250,
107.5873

■ 30.8036, 23.9732,
6.5186

■ 78.4388, 91.4366,
108.1226

■ 29.1497, 21.2787,
4.0767

■ 27.8583, 19.0330,
2.6068

■ 27.1594, 17.7577,
1.9961

Harmonies

Analogous

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



51.1611, 50.9489, 51.3183



50.0240, 50.9489, 48.2719



48.4787, 50.9489, 47.1376

Triad

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



50.0240, 50.9489, 48.2719



45.4194, 50.9489, 55.3224



49.9298, 50.9489, 63.5273

Complementary

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



50.0240, 50.9489, 48.2719



47.7538, 51.6809, 63.9590

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.



48.3722, 50.9489, 64.7410



50.0240, 50.9489, 48.2719



45.7890, 50.9489, 59.8496

Square

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



50.0240, 50.9489, 48.2719



45.8404, 50.9489, 51.0680



46.8612, 50.9489, 63.3605



51.1058, 50.9489, 60.1278

Rectangle

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



50.0240, 50.9489, 48.2719



47.4321, 50.9489, 47.5679



46.8612, 50.9489, 63.3605



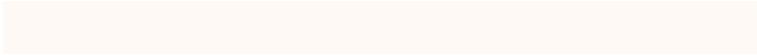
49.4324, 50.9489, 64.2124

Sweetspot

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



50.0254, 50.9512, 48.2730



91.4367, 95.3319, 99.8079



49.7914, 47.6026, 57.0752



19.4294, 20.2211, 21.0084



0.0000, 0.0000, 0.0000



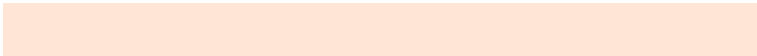
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0254, 50.9512, 48.2730



81.5102, 82.3393, 75.3494



52.9813, 56.8629, 49.2583



11.5471, 11.8831, 11.7645



17.3643, 11.4616, 1.2971



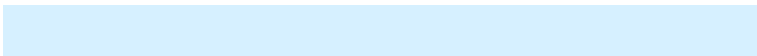
0.9679, 0.7356, 0.0910

Inverse Universe

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



47.7538, 51.6809, 63.9590



76.9657, 83.7978, 106.7258



44.9253, 46.0239, 63.0161



11.1803, 12.0011, 14.2975



11.8445, 12.7129, 37.7858



0.6821, 0.7981, 1.9730

Previews

White Background



This preview shows how the XYZ color 50.0240, 50.9489, 48.2719 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 50.0240, 50.9489, 48.2719 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 50.0240, 50.9489, 48.2719

Background



This preview shows how black text looks on a background with the XYZ color 50.0240, 50.9489, 48.2719.



This preview shows how white text looks on a background with the XYZ color 50.0240, 50.9489,

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

50.0240, 50.9489, 48.2719

Protanopia

48.4247, 50.7429, 48.8371

Deuteranopia

52.0207, 51.0383, 48.7046



Tritanopia

52.4651, 51.0200, 59.9060

Trichromacy



Original Color

50.0240, 50.9489, 48.2719

Protanomaly

48.9948, 50.7207, 48.8027

Deuteranomaly

51.3708, 51.0106, 48.7335

Tritanomaly

51.5026, 50.9342, 55.2609

Monochromacy



Original Color

50.0240, 50.9489, 48.2719

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.4602, 51.5001, 53.2326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0240, 50.9489, 48.2719 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(203, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(203, 186, 176)  
}
```

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(203, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 186, 176) }
```

Border

The CSS property to change the border of an element to XYZ 50.0240, 50.9489, 48.2719 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(203, 186, 176) }
```


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

```
.border{ border-color:rgb(203, 186, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 186, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(203, 186,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0240, 50.9489, 48.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 186, 176) }
```

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

```
.background{ background-color: rgb(203,  
186, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor