

Converting Colors

XYZ(47.7894, 53.0530, 43.1459)

Have a look what the booklet for
XYZ(47.7894, 53.0530, 43.1459)
contains.

XYZ(48.0173, 53.2728, 43.3492)	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(48.0173, 53.2728,
43.3492)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC4A5
RGB	191, 196, 165
RGB Percent	75%, 77%, 65%
CMY	0.2510, 0.2314, 0.3529
CMYK	0.03, 0.00, 0.16, 0.23
HSL	70°, 21%, 71%
HSV	70°, 16%, 77%
XYZ	48.0173, 53.2728, 43.3492
YIQ	190.9710, 6.9710, -10.7010

Conversions

Conversions Part 2

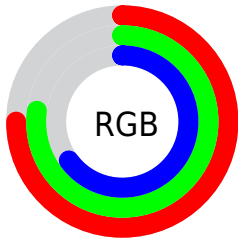
Format	Color
RYB	165, 196, 170
Decimal	12567717
CIELab	78.04, -7.11, 15.00
CIELCh	78, 16.598, 115.351
Yxy	53.2728, 0.3320, 0.3683
Android (android.graphics.Color)	4290757797 (0xFFBFC4A5)
YUV	190.9710, -12.8037, 0.0254
Hunter-Lab	72.9882, -10.2983, 15.8782

Details

The XYZ color **48.0173, 53.2728, 43.3492** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9986, 39.4433, 57.7326**, and the grayscale version is **49.5747, 52.1564, 56.7983**.

A 20% lighter version of the original color is **86.4013, 95.1920, 81.5302**, and **22.9702, 25.8566, 19.4030** is the 20% darker color. If you saturate the color by 10%, you get **45.5818, 52.2094, 34.6255**, and if you desaturate by 10%, it is **50.7463, 54.4591, 53.5160**.

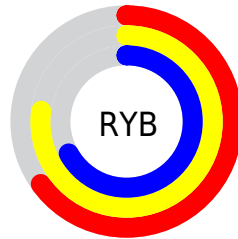
Distribution



Red (75%)

Green (77%)

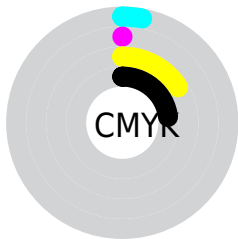
Blue (65%)



Red (65%)

Yellow (77%)

Blue (67%)

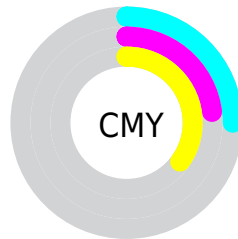


Cyan (3%)

Magenta (0%)

Yellow (16%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0173, 53.2728, 43.3492 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 48.0173, 53.2728, 43.3492 by changing the saturation by 10% instead.

■ 48.0173, 53.2728,
43.3492

■ 48.0173, 53.2728,
43.3492

369.4421,
399.3309, 376.0092

■ 34.0519, 38.0206,
29.8258

■ 86.4397, 95.0057,
81.5296

■ 23.0965, 25.9987,
19.4555

■ 111.6274,
122.2551, 107.0236

■ 14.7859, 16.8226,
11.8197

141.2866,
154.2724, 137.3448

■ 8.7546, 10.1081,
6.5000

175.7826,
191.4420, 172.9119

■ 4.6373, 5.4707,
3.0778

215.4808,
234.1483, 214.1434

■ 2.0686, 2.5260,
1.1345

260.7466,

■ 0.6721, 0.8896,

282.7755, 261.4577

0.0000

311.9452,
337.7083, 315.2735

■ 0.0000, 0.0000,
0.0000

■ 48.0173, 53.2728,
43.3492

■ 48.0173, 53.2728,
43.3492

■ 45.5818, 52.2094,
34.6255

■ 50.7463, 54.4591,
53.5160

■ 43.4230, 51.2570,
27.2762

■ 53.7763, 55.7660,
65.1838

■ 41.5288, 50.4123,
21.2321

■ 57.1198, 57.2003,
78.4113

■ 39.8847, 49.6696,
16.4164

■ 60.7871, 58.7662,
93.2530

■ 38.4743, 49.0224,
12.7445

■ 63.4725, 59.9413,
102.8322

37.2796, 48.4633,
10.1212

64.3643, 60.4010,
102.8739

36.2794, 47.9839,
8.4357

65.2739, 60.8700,
102.9165

35.4473, 47.5737,
7.5498

66.2014, 61.3481,
102.9599

35.1271, 47.4138,
7.3004

67.1470, 61.8356,
103.0042

Harmonies

Analogous

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



51.1401, 53.2728, 41.9990



48.0173, 53.2728, 43.3492



45.6874, 53.2728, 48.4545

Triad

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



48.0173, 53.2728, 43.3492



47.1793, 53.2728, 73.9293



57.0907, 53.2728, 59.4611

Complementary

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



48.0173, 53.2728, 43.3492



39.9986, 39.4433, 57.7326

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.



55.9257, 53.2728, 68.7347



48.0173, 53.2728, 43.3492



50.1317, 53.2728, 77.6347

Square

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



48.0173, 53.2728, 43.3492



45.2182, 53.2728, 65.9718



53.3445, 53.2728, 75.6398



56.4662, 53.2728, 50.7069

Rectangle

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



48.0173, 53.2728, 43.3492



44.8513, 53.2728, 53.6152



53.3445, 53.2728, 75.6398



56.8940, 53.2728, 62.6281

Sweetspot

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



48.0187, 53.2751, 43.3503



92.3115, 98.8176, 98.4098



43.8675, 43.0722, 41.5998



19.6785, 21.1165, 20.7603



0.0000, 0.0000, 0.0000



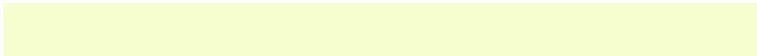
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0187, 53.2751, 43.3503



85.3888, 95.8099, 72.7361



44.4039, 51.4116, 43.1812



10.7486, 11.6734, 10.7486



22.6305, 30.4953, 4.6934



1.0215, 1.3401, 0.2048

Inverse Universe

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



39.9986, 39.4433, 57.7326



68.0936, 65.9798, 103.7542



43.4644, 41.2300, 57.8948



9.6764, 9.8243, 12.6711



6.8264, 2.7796, 33.7333



0.3436, 0.1452, 1.4598

Previews

White Background



This preview shows how the XYZ color 48.0173, 53.2728, 43.3492 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 48.0173, 53.2728, 43.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

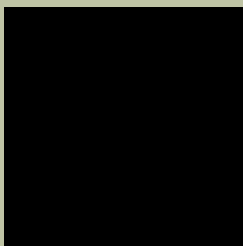
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

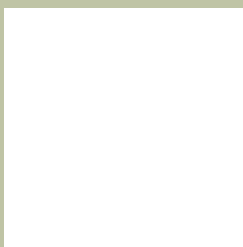
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0173, 53.2728, 43.3492

Background



This preview shows how black text looks on a background with the XYZ color 48.0173, 53.2728, 43.3492.



This preview shows how white text looks on a background with the XYZ color 48.0173, 53.2728,

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

48.0173, 53.2728, 43.3492

Protanopia

50.0891, 53.0401, 42.2481

Deuteranopia

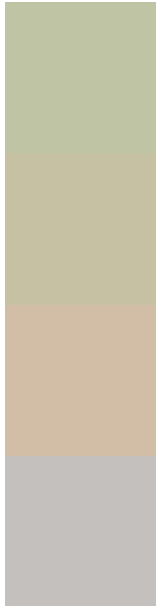
54.3528, 53.2800, 43.9786



Tritanopia

52.4589, 53.1050, 65.2430

Trichromacy



Original Color

48.0173, 53.2728, 43.3492

Protanomaly

49.3240, 52.9624, 42.7451

Deuteranomaly

51.8747, 53.2817, 43.6267

Tritanomaly

50.6496, 53.0191, 56.2794

Monochromacy



Original Color

48.0173, 53.2728, 43.3492

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9993, 52.5937, 51.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0173, 53.2728, 43.3492 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, 196, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 196, 165)  
}
```

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, 196, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 196, 165) }
```

Border

The CSS property to change the border of an element to XYZ 48.0173, 53.2728, 43.3492 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, 196, 165) }
```


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

```
.border{ border-color:rgb(191, 196, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 196, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 196, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 196, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 196,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0173, 53.2728, 43.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 196, 165) }
```

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

```
.background{ background-color: rgb(191,  
196, 165) }
```

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