

Converting Colors

XYZ(44.7290, 49.1378, 20.7627)

Have a look what the booklet for
XYZ(44.7290, 49.1378, 20.7627)
contains.

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Color

**XYZ(44.7290, 49.1378,
20.7627)**

Conversions

Conversions Part 1

Format	Color
Hex	CABB6A
RGB	202, 187, 106
RGB Percent	79%, 73%, 42%
CMY	0.2078, 0.2666, 0.5843
CMYK	0.00, 0.07, 0.48, 0.21
HSL	51°, 48%, 60%
HSV	51°, 48%, 79%
XYZ	44.7290, 49.1378, 20.7627
YIQ	182.2510, 34.9410, -22.0110

Conversions

Conversions Part 2

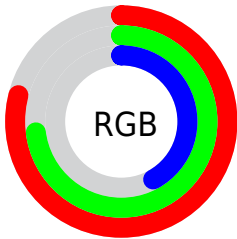
Format	Color
RYB	124, 202, 106
Decimal	13286250
CIELab	75.54, -5.64, 42.71
CIELCh	76, 43.077, 97.526
Yxy	49.1378, 0.3902, 0.4287
Android (android.graphics.Color)	4291476330 (0xFFCABB6A)
YUV	182.2510, -37.5917, 17.3199
Hunter-Lab	70.0984, -8.7732, 31.5075

Details

The XYZ color **44.7290, 49.1378, 20.7627** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.4418, 21.0026, 58.6955**, and the grayscale version is **44.7865, 47.1189, 51.3125**.

A 20% lighter version of the original color is **79.5486, 87.8644, 45.5678**, and **21.0930, 23.4467, 7.1553** is the 20% darker color. If you saturate the color by 10%, you get **43.1382, 47.4440, 15.6463**, and if you desaturate by 10%, it is **46.5843, 50.9646, 27.1890**.

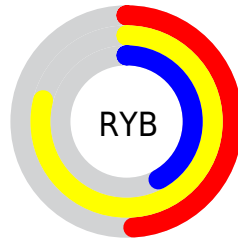
Distribution



Red (79%)

Green (73%)

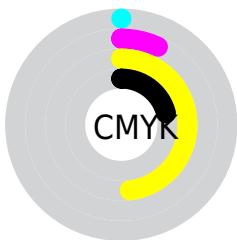
Blue (42%)



Red (49%)

Yellow (79%)

Blue (42%)

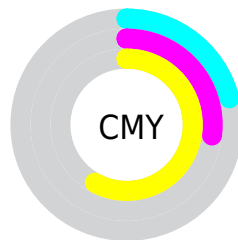


Cyan (0%)

Magenta (7%)

Yellow (48%)

Black (21%)



Cyan (21%)

Magenta (27%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7290, 49.1378, 20.7627 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 44.7290, 49.1378, 20.7627 by changing the saturation by 10% instead.

■ 44.7290, 49.1378,
20.7627

■ 44.7290, 49.1378,
20.7627

356.4771,
383.2846, 268.7542

■ 31.4444, 34.7288,
12.7611

■ 81.5532, 88.8961,
45.5679

■ 21.0910, 23.4540,
7.1355

■ 105.8234,
115.0142, 63.2086

■ 13.3033, 14.9291,
3.4672

■ 134.4863,
145.8040, 84.8994

■ 7.7162, 8.7697,
1.3379

■ 167.9071,
181.6502, 111.0589

■ 3.9642, 4.5912,
0.0925

206.4513,
222.9369, 142.1056

■ 1.6819, 2.0095,
0.0000

250.4841,

■ 0.4449, 0.6130,

270.0486, 178.4580

0.0000

300.3709,
323.3697, 220.5347

■ 0.0000, 0.0000,
0.0000

■ 44.7290, 49.1378,
20.7627

■ 44.7290, 49.1378,
20.7627

■ 43.1382, 47.4440,
15.6463

■ 46.5843, 50.9646,
27.1890

■ 41.7907, 45.8690,
11.7440

■ 48.7166, 52.9241,
35.0062

■ 40.6675, 44.4070,
8.9514

■ 51.1418, 55.0245,
44.2920

■ 39.7452, 43.0485,
7.1456

■ 53.8734, 57.2715,
55.1178

■ 38.9908, 41.7800,
6.1530

■ 56.9242, 59.6703,
67.5502

■ 38.8159, 41.4742,
5.9595

■ 60.3062, 62.2259,
81.6517

■ 64.0308, 64.9428,
97.4818

■ 66.0124, 66.9871,
104.0583

■ 66.8101, 68.5825,
104.3242

Harmonies

Analogous

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



52.7990, 49.1378, 22.3720



44.7290, 49.1378, 20.7627



37.9921, 49.1378, 25.7364

Triad

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



44.7290, 49.1378, 20.7627



35.5923, 49.1378, 84.8707



62.3134, 49.1378, 72.0579

Complementary

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



44.7290, 49.1378, 20.7627



23.4418, 21.0026, 58.6955

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.



56.6552, 49.1378, 96.3112



44.7290, 49.1378, 20.7627



41.0971, 49.1378, 105.0541

Square

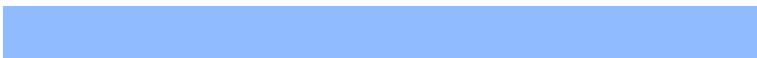
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.7290, 49.1378, 20.7627



33.1209, 49.1378, 59.4482



48.7363, 49.1378, 109.7479



63.5701, 49.1378, 47.9675

Rectangle

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



44.7290, 49.1378, 20.7627



34.9510, 49.1378, 33.2591



48.7363, 49.1378, 109.7479



60.8343, 49.1378, 80.6407

Sweetspot

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



44.7302, 49.1401, 20.7637



88.0725, 94.4039, 80.8049



33.0243, 24.2703, 21.3570



18.6415, 20.0315, 16.4720



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.



44.7302, 49.1401, 20.7637



72.9756, 80.2585, 26.2973



40.2999, 51.8278, 21.5160



11.9988, 12.7866, 11.9151



25.0312, 26.7953, 3.8527



1.3325, 1.4648, 0.2125

Inverse Universe

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



23.4418, 21.0026, 58.6955



32.7362, 27.1112, 98.1153



26.2964, 19.9762, 58.3469



10.7409, 11.1222, 14.1511



7.2270, 3.4779, 36.2467



0.4187, 0.2713, 1.8852

Previews

White Background



This preview shows how the XYZ color 44.7290, 49.1378, 20.7627 looks on a white background.

Color Contrast Check

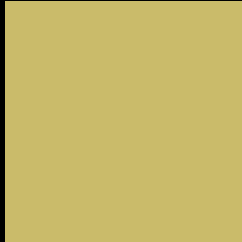
Large Text (above 18pt) WCAG AA × Fail

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 44.7290, 49.1378, 20.7627 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 44.7290, 49.1378, 20.7627

Background



This preview shows how black text looks on a background with the XYZ color 44.7290, 49.1378, 20.7627.



This preview shows how white text looks on a background with the XYZ color 44.7290, 49.1378,

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

44.7290, 49.1378, 20.7627

Protanopia

45.0623, 48.9958, 20.7178

Deuteranopia

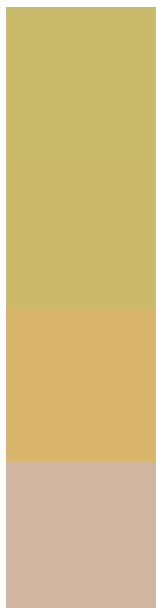
49.9912, 49.0923, 21.0283



Tritanopia

51.9901, 49.0548, 56.0186

Trichromacy



Original Color

44.7290, 49.1378, 20.7627

Protanomaly

44.7890, 48.8549, 20.7050

Deuteranomaly

47.7930, 48.8610, 20.8221

Tritanomaly

48.8815, 48.9957, 40.1385

Monochromacy



Original Color

44.7290, 49.1378, 20.7627

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.9595, 47.4329, 37.4104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7290, 49.1378, 20.7627 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(202, 187, 106)` looks like.

```
.text, #text, p{  
    color:rgb(202, 187, 106)  
}
```

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(202, 187, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 187, 106) }
```

Border

The CSS property to change the border of an element to XYZ 44.7290, 49.1378, 20.7627 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(202, 187, 106) }
```


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

```
.border{ border-color:rgb(202, 187, 106) }
```

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

Here you see how a box with a 4 pixel rgb(202, 187, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 187, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 187, 106);  
box-shadow:4px 4px 4px 4px rgb(202, 187,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7290, 49.1378, 20.7627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 187, 106) }
```

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

```
.background{ background-color: rgb(202,  
187, 106) }
```

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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