

Converting Colors

XYZ(42.5259, 50.7316, 25.0195)

Have a look what the booklet for
XYZ(42.5259, 50.7316, 25.0195)
contains.

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Color

**XYZ(42.5981, 50.8790,
25.0282)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C477
RGB	183, 196, 119
RGB Percent	72%, 77%, 47%
CMY	0.2824, 0.2314, 0.5333
CMYK	0.07, 0.00, 0.39, 0.23
HSL	70°, 39%, 62%
HSV	70°, 39%, 77%
XYZ	42.5981, 50.8790, 25.0282
YIQ	183.3350, 16.9690, -26.7030

Conversions

Conversions Part 2

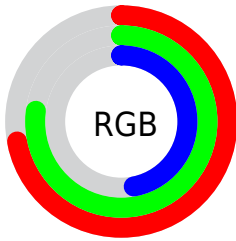
Format	Color
RYB	119, 196, 132
Decimal	12043383
CIELab	76.61, -16.53, 37.15
CIElCh	77, 40.660, 113.980
Yxy	50.8790, 0.3595, 0.4293
Android (android.graphics.Color)	4290233463 (0xFFB7C477)
YUV	183.3350, -31.7172, -0.2938
Hunter-Lab	71.3295, -18.2262, 29.1269

Details

The XYZ color **42.5981, 50.8790, 25.0282** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.0782, 22.0860, 55.1160**, and the grayscale version is **45.3571, 47.7191, 51.9662**.

A 20% lighter version of the original color is **78.5069, 91.7544, 52.6023**, and **19.8004, 24.4428, 9.3046** is the 20% darker color. If you saturate the color by 10%, you get **40.7626, 50.0567, 19.4188**, and if you desaturate by 10%, it is **44.6974, 51.8125, 31.9192**.

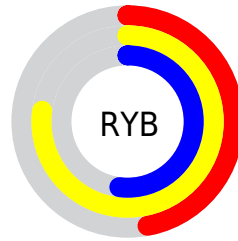
Distribution



Red (72%)

Green (77%)

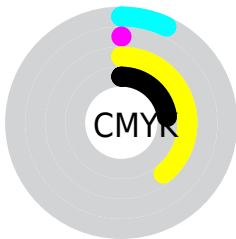
Blue (47%)



Red (47%)

Yellow (77%)

Blue (52%)

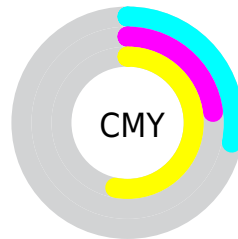


Cyan (7%)

Magenta (0%)

Yellow (39%)

Black (23%)



Cyan (28%)

Magenta (23%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5981, 50.8790, 25.0282 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 42.5981, 50.8790, 25.0282 by changing the saturation by 10% instead.

■ 42.5981, 50.8790,
25.0282

■ 42.5981, 50.8790,
25.0282

347.9059,
390.0935, 291.4305

■ 29.7631, 36.1123,
15.8789

■ 78.3635, 91.4759,
52.6677

■ 19.8060, 24.5210,
9.2850

■ 102.0246,
118.0749, 71.9948

■ 12.3615, 15.7205,
4.8282

■ 130.0251,
149.3868, 95.5517

■ 7.0643, 9.3266,
2.0899

162.7304,
185.7960, 123.7569

■ 3.5491, 4.9548,
0.6097

200.5057,
227.6868, 157.0288

■ 1.4503, 2.2208,
0.0000

243.7165,

■ 0.2917, 0.7313,

275.4438, 195.7860

0.0000

292.7281,
329.4512, 240.4470

■ 0.0000, 0.0000,
0.0000

■ 42.5981, 50.8790,
25.0282

■ 42.5981, 50.8790,
25.0282

■ 40.7626, 50.0567,
19.4188

■ 44.6974, 51.8125,
31.9192

■ 39.1721, 49.3327,
15.0085

■ 47.0706, 52.8560,
40.1608

■ 37.8108, 48.7025,
11.7105


■ 49.7319, 54.0169,
49.8213


■ 36.6598, 48.1586,
9.4248


■ 52.6932, 55.2999,
60.9631

■ 35.6965, 47.6917,
8.0335


■ 55.9658, 56.7097,
73.6451


 34.8813, 47.2862,
7.3289

 59.5604, 58.2505,
87.9228

 34.8252, 47.2582,
7.2863

 63.2924, 59.8485,
102.8238

 64.2222, 60.3278,
102.8673

 65.1715, 60.8172,
102.9117

Harmonies

Analogous

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



49.9254, 50.8790, 23.0683



42.5981, 50.8790, 25.0282



37.3640, 50.8790, 34.0508

Triad

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



42.5981, 50.8790, 25.0282



40.1786, 50.8790, 97.1650



64.5946, 50.8790, 59.9569

Complementary

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



42.5981, 50.8790, 25.0282



26.0782, 22.0860, 55.1160

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.



61.3235, 50.8790, 84.2009



42.5981, 50.8790, 25.0282



46.8256, 50.8790, 109.0479

Square

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



42.5981, 50.8790, 25.0282



36.0741, 50.8790, 74.4412



54.6171, 50.8790, 103.7645



63.1572, 50.8790, 39.9165

Rectangle

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



42.5981, 50.8790, 25.0282



35.5001, 50.8790, 44.5201



54.6171, 50.8790, 103.7645



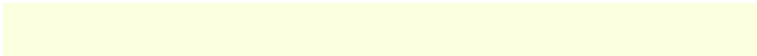
63.9992, 50.8790, 67.9188

Sweetspot

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



42.5994, 50.8813, 25.0293



88.6330, 97.2165, 84.8990



34.3251, 29.5264, 21.3435



18.8321, 20.7477, 17.6643



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.



42.5994, 50.8813, 25.0293



74.3251, 90.8946, 36.6042



34.6899, 46.8038, 24.6591



10.7411, 11.6695, 10.7482



22.4387, 30.3964, 4.6844



1.0147, 1.3367, 0.2045

Inverse Universe

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



26.0782, 22.0860, 55.1160



40.3277, 31.5972, 98.5811



33.2120, 25.7636, 55.4499



9.6833, 9.8279, 12.6714



6.8577, 2.7957, 33.7348



0.3467, 0.1468, 1.4599

Previews

White Background



This preview shows how the XYZ color 42.5981, 50.8790, 25.0282 looks on a white background.

Color Contrast Check

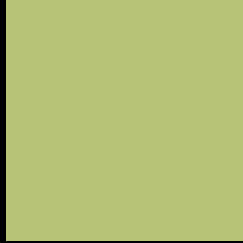
Large Text (above 18pt) WCAG AA × Fail

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 42.5981, 50.8790, 25.0282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

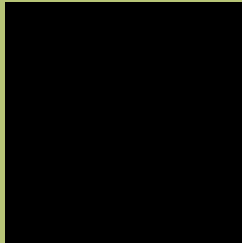
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5981, 50.8790, 25.0282

Background



This preview shows how black text looks on a background with the XYZ color 42.5981, 50.8790, 25.0282.



This preview shows how white text looks on a background with the XYZ color 42.5981, 50.8790,

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

42.5981, 50.8790, 25.0282

Protanopia

46.8036, 50.7780, 23.8573

Deuteranopia

51.5127, 50.3786, 25.4214



Tritanopia

50.0938, 50.6723, 62.3988

Trichromacy



Original Color

42.5981, 50.8790, 25.0282

Protanomaly

45.3492, 50.9894, 24.2814

Deuteranomaly

47.8741, 50.3472, 25.2839

Tritanomaly

46.7504, 50.5860, 45.8281

Monochromacy



Original Color

42.5981, 50.8790, 25.0282

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8568, 48.5718, 40.3215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5981, 50.8790, 25.0282 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(183, 196, 119)` looks like.

```
.text, #text, p{  
    color:rgb(183, 196, 119)  
}
```

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(183, 196, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 196, 119) }
```

Border

The CSS property to change the border of an element to XYZ 42.5981, 50.8790, 25.0282 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(183, 196, 119) }
```


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

```
.border{ border-color:rgb(183, 196, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 196, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 196, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 196, 119);  
box-shadow:4px 4px 4px 4px rgb(183, 196,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5981, 50.8790, 25.0282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 196, 119) }
```

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

```
.background{ background-color: rgb(183,  
196, 119) }
```

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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