

Converting Colors

XYZ(46.6658, 53.2120, 25.1980)

Have a look what the booklet for
XYZ(46.6658, 53.2120, 25.1980)
contains.

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Color

**XYZ(46.8492, 53.4065,
25.2920)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C577
RGB	199, 197, 119
RGB Percent	78%, 77%, 47%
CMY	0.2196, 0.2274, 0.5333
CMYK	0.00, 0.01, 0.40, 0.22
HSL	59°, 42%, 62%
HSV	59°, 40%, 78%
XYZ	46.8492, 53.4065, 25.2920
YIQ	188.7060, 26.2300, -23.8340

Conversions

Conversions Part 2

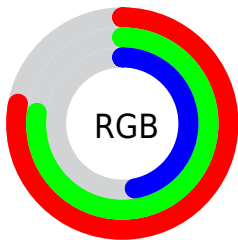
Format	Color
RYB	121, 199, 119
Decimal	13092215
CIELab	78.11, -10.70, 39.32
CIELCh	78, 40.753, 105.223
Yxy	53.4065, 0.3732, 0.4254
Android (android.graphics.Color)	4291282295 (0xFFC7C577)
YUV	188.7060, -34.3651, 9.0278
Hunter-Lab	73.0798, -13.4587, 30.6363

Details

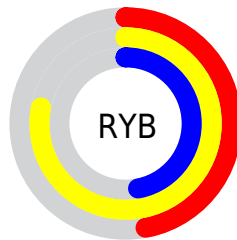
The XYZ color **46.8492, 53.4065, 25.2920** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.7538, 21.7196, 56.9204**, and the grayscale version is **48.3825, 50.9021, 55.4324**.

A 20% lighter version of the original color is **84.1282, 95.1222, 52.9561**, and **22.3982, 26.0039, 9.4690** is the 20% darker color. If you saturate the color by 10%, you get **45.6651, 52.7548, 19.6059**, and if you desaturate by 10%, it is **48.2865, 54.1639, 32.2983**.

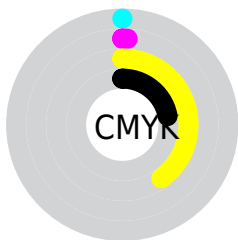
Distribution



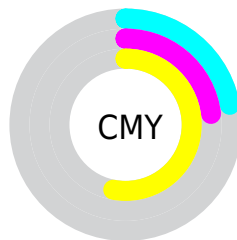
- Red (78%)
- Green (77%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (47%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (22%)





- Cyan (22%)
- Magenta (23%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8492, 53.4065, 25.2920 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 46.8492, 53.4065, 25.2920 by changing the saturation by 10% instead.


 46.8492, 53.4065,
25.2920

 46.8492, 53.4065,
25.2920


364.8712,
399.8428, 292.7831

 33.1239, 38.1274,
16.0737


 84.7086, 95.2023,
53.1005

 22.3811, 26.0816,
9.4214


 109.5734,
122.4877, 72.5279

 14.2553, 16.8847,
4.9165


 138.8821,
154.5440, 96.1953

 8.3814, 10.1523,
2.1405

173.0000,
191.7556, 124.5214

 4.3938, 5.5001,
0.6397

212.2926,
234.5069, 157.9247

 1.9272, 2.5435,
0.0000

257.1250,

 0.5926, 0.8984,

283.1822, 196.8237

0.0000

307.8628,
338.1661, 241.6370

■ 0.0000, 0.0000,
0.0000

■ 46.8492, 53.4065,
25.2920

■ 46.8492, 53.4065,
25.2920

■ 45.6651, 52.7548,
19.6059

■ 48.2865, 54.1639,
32.2983

■ 44.7146, 52.1952,
15.1537

■ 49.9876, 55.0255,
40.6973

■ 43.9815, 51.7231,
11.8444


■ 51.9669, 55.9990,
50.5600


■ 43.4458, 51.3306,
9.5725


■ 54.2370, 57.0894,
61.9517

■ 43.0837, 51.0082,
8.2136


■ 56.8094, 58.3014,
74.9338

 42.8534, 50.7425,
7.5357

 59.6952, 59.6392,
89.5643

 62.3685, 60.8927,
103.0740

 62.4840, 61.1237,
103.1125

 62.5998, 61.3554,
103.1511

Harmonies

Analogous

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



54.7640, 53.4065, 25.2413



46.8492, 53.4065, 25.2920



40.6576, 53.4065, 32.4279

Triad

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



46.8492, 53.4065, 25.2920



40.7304, 53.4065, 95.1263



67.0372, 53.4065, 70.0563

Complementary

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



46.8492, 53.4065, 25.2920



24.7538, 21.7196, 56.9204

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.



62.4138, 53.4065, 94.7912



46.8492, 53.4065, 25.2920



46.9585, 53.4065, 111.6358

Square

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



46.8492, 53.4065, 25.2920



37.3844, 53.4065, 70.4307



54.8853, 53.4065, 111.4993



67.0000, 53.4065, 47.3879

Rectangle

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



46.8492, 53.4065, 25.2920



38.0995, 53.4065, 41.6540



54.8853, 53.4065, 111.4993



65.9569, 53.4065, 78.5124

Sweetspot

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



46.8505, 53.4089, 25.2931



90.2659, 97.6977, 84.9058



33.6426, 26.7332, 21.6918



19.2190, 20.8616, 17.6659



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.



46.8505, 53.4089, 25.2931



80.2401, 92.5305, 35.6768



38.5862, 49.8254, 25.0370



11.5004, 12.3699, 11.3442



27.5659, 32.6489, 4.8490



1.3126, 1.5606, 0.2320

Inverse Universe

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



24.7538, 21.7196, 56.9204



36.4151, 29.6845, 98.4181



30.6810, 24.4190, 57.1291



10.0775, 10.3291, 13.3801



6.6730, 2.7399, 34.9215



0.3235, 0.1449, 1.6561

Previews

White Background



This preview shows how the XYZ color 46.8492, 53.4065, 25.2920 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 46.8492, 53.4065, 25.2920 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 46.8492, 53.4065, 25.2920

Background



This preview shows how black text looks on a background with the XYZ color 46.8492, 53.4065, 25.2920.



This preview shows how white text looks on a background with the XYZ color 46.8492, 53.4065,

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

46.8492, 53.4065, 25.2920

Protanopia

49.2039, 53.2968, 24.8335

Deuteranopia

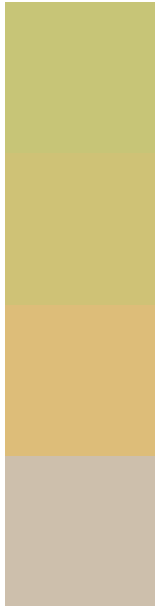
54.2576, 53.0098, 25.7846



Tritanopia

54.4434, 53.2148, 63.2791

Trichromacy



Original Color

46.8492, 53.4065, 25.2920

Protanomaly

48.2939, 53.1570, 24.8545

Deuteranomaly

51.4676, 53.1478, 25.6351

Tritanomaly

51.2540, 53.2193, 46.6007

Monochromacy



Original Color

46.8492, 53.4065, 25.2920

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.5428, 51.7171, 42.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8492, 53.4065, 25.2920 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(199, 197, 119)` looks like.

```
.text, #text, p{  
    color:rgb(199, 197, 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(199, 197, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 197, 119) }
```

Border

The CSS property to change the border of an element to XYZ 46.8492, 53.4065, 25.2920 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(199, 197, 119) }
```


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

```
.border{ border-color:rgb(199, 197, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 197, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 197, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 197, 119);  
box-shadow:4px 4px 4px 4px rgb(199, 197,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8492, 53.4065, 25.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 197, 119) }
```

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

```
.background{ background-color: rgb(199,  
197, 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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