

Converting Colors

XYZ(25.8061, 48.5446, 10.2086)

Have a look what the booklet for
XYZ(25.8061, 48.5446, 10.2086)
contains.

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Color

**XYZ(25.8431, 48.5964,
10.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	38D52A
RGB	56, 213, 42
RGB Percent	22%, 84%, 16%
CMY	0.7804, 0.1647, 0.8353
CMYK	0.74, 0.00, 0.80, 0.16
HSL	115°, 67%, 50%
HSV	115°, 80%, 84%
XYZ	25.8431, 48.5964, 10.2085
YIQ	146.5630, -38.6810, -86.4650

Conversions

Conversions Part 2

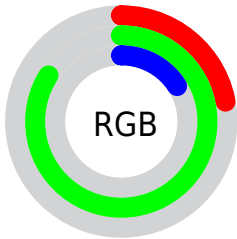
Format	Color
R_{YB}	42, 213, 199
Decimal	3724586
CIE _{Lab}	75.20, -69.18, 66.38
CIE _{LCh}	75, 95.878, 136.183
Yxy	48.5964, 0.3053, 0.5741
Android (android.graphics.Color)	4281914666 (0xFF38D52A)
YUV	146.5630, -51.5496, -79.4238
Hunter-Lab	69.7111, -55.8215, 40.1154

Details

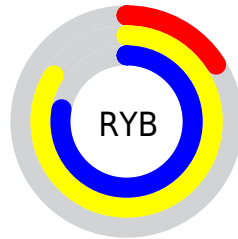
The XYZ color **25.8431, 48.5964, 10.2085** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **36.3951, 18.6044, 64.6261**, and the grayscale version is **27.7715, 29.2178, 31.8182**.

A 20% lighter version of the original color is **46.9107, 76.9913, 24.9587**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.6710, 48.0266, 8.6651**, and if you desaturate by 10%, it is **27.6466, 49.4712, 12.8398**.

Distribution



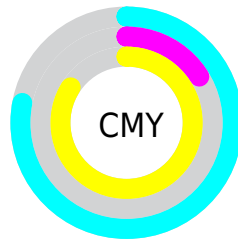
- Red (22%)
- Green (84%)
- Blue (16%)



- Red (16%)
- Yellow (84%)
- Blue (78%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (16%)





- Cyan (78%)
- Magenta (16%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8431, 48.5964, 10.2085 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 25.8431, 48.5964, 10.2085 by changing the saturation by 10% instead.


 25.8431, 48.5964,
10.2085


 25.8431, 48.5964,
10.2085


274.2819,
381.1513, 202.6923


 16.8384, 34.2994,
5.4300


 52.4548, 88.0917,
26.8009

 10.2139, 23.1237,
2.4386


 70.7925, 114.0589,
39.4518

 5.6044, 14.6849,
0.8073


 92.9719, 144.6848,
55.5640

 2.6444, 8.5985,
0.0000

 119.3584,
180.3541, 75.5560

 0.9686, 4.4803,
0.0000

 150.3172,
221.4509, 99.8462

 0.0000, 1.9457,
0.0000

 186.2139,

 0.0000, 0.5756,

268.3598, 128.8534

0.0000

227.4136,
321.4651, 162.9959

■ 0.0000, 0.0000,
0.0000

■ 25.8431, 48.5964,
10.2085

■ 25.8431, 48.5964,
10.2085

■ 24.6710, 48.0266,
8.6651

■ 27.6466, 49.4712,
12.8398


■ 24.0341, 47.7136,
7.9429


■ 30.1508, 50.6792,
16.7061


■ 33.4194, 52.2519,
21.9353


■ 37.5080, 54.2155,
28.6383

■ 42.4671, 56.5940,
36.9147

 48.3431, 59.4092,
46.8556

 55.1789, 62.6816,
58.5449

 63.0151, 66.4302,
72.0609

 71.8895, 70.6731,
87.4774

Harmonies

Analogous

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



37.3960, 48.5964, 3.7657



25.8431, 48.5964, 10.2085



20.5297, 48.5964, 32.9994

Triad

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



25.8431, 48.5964, 10.2085



38.5788, 48.5964, 213.5415



86.8439, 48.5964, 30.2619

Complementary

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



25.8431, 48.5964, 10.2085



36.3951, 18.6044, 64.6261

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.



87.3950, 48.5964, 79.5599



25.8431, 48.5964, 10.2085



56.2634, 48.5964, 210.9312

Square

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



25.8431, 48.5964, 10.2085



26.5187, 48.5964, 157.9874



75.1191, 48.5964, 152.2018



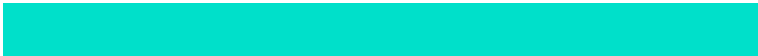
73.7631, 48.5964, 9.2940

Rectangle

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



25.8431, 48.5964, 10.2085



20.0780, 48.5964, 64.0369



75.1191, 48.5964, 152.2018



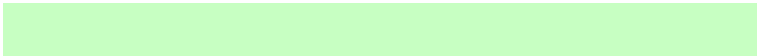
88.5960, 48.5964, 43.1586

Sweetspot

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



25.8442, 48.5984, 10.2096



68.9775, 87.5219, 64.1792



48.2267, 55.0477, 10.2747



14.0922, 18.4114, 12.6015



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.



25.8442, 48.5984, 10.2096



36.3581, 71.8219, 12.2396



27.7455, 49.2809, 23.7484



12.3557, 13.9440, 13.2010



14.7154, 29.1624, 4.8533



0.9211, 1.7762, 0.2943

Inverse Universe

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



36.3951, 18.6044, 64.6261



52.4110, 25.0981, 96.6898



33.1341, 17.7489, 27.1747



12.8481, 12.5786, 15.6883



21.2155, 10.0895, 39.2824



1.3099, 0.6242, 2.3707

Previews

White Background



This preview shows how the XYZ color 25.8431, 48.5964, 10.2085 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 25.8431, 48.5964, 10.2085 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 25.8431, 48.5964, 10.2085

Background



This preview shows how black text looks on a background with the XYZ color 25.8431, 48.5964, 10.2085.



This preview shows how white text looks on a background with the XYZ color 25.8431, 48.5964,

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

25.8431, 48.5964, 10.2085

Protanopia

43.1613, 47.6619, 8.4382

Deuteranopia

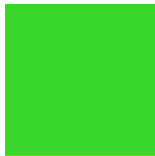
48.6115, 47.4320, 11.0081



Tritanopia

37.8112, 48.0680, 70.9035

Trichromacy



Original Color

25.8431, 48.5964, 10.2085



Protanomaly

32.7979, 45.8392, 8.8695



Deuteranomaly

34.5854, 44.4483, 10.2466



Tritanomaly

30.6882, 46.8775, 36.7090

Monochromacy



Original Color

25.8431, 48.5964, 10.2085



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.2627, 33.8074, 19.7147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8431, 48.5964, 10.2085 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(56, 213, 42)` looks like.

```
.text, #text, p{  
    color:rgb(56, 213, 42)  
}
```

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(56, 213, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 213, 42) }
```

Border

The CSS property to change the border of an element to XYZ 25.8431, 48.5964, 10.2085 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(56, 213, 42) }
```


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

```
.border{ border-color:rgb(56, 213, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 213, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 213, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 213, 42);  
box-shadow:4px 4px 4px 4px rgb(56, 213,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8431, 48.5964, 10.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 213, 42) }
```

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

```
.background{ background-color: rgb(56, 213,  
42) }
```

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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