

Converting Colors

XYZ(22.7949, 38.2459, 12.8558)

Have a look what the booklet for
XYZ(22.7949, 38.2459, 12.8558)
contains.

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Color

**XYZ(22.8205, 38.3134,
12.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	53BC4B
RGB	83, 188, 75
RGB Percent	33%, 74%, 29%
CMY	0.6745, 0.2627, 0.7059
CMYK	0.56, 0.00, 0.60, 0.26
HSL	116°, 46%, 52%
HSV	116°, 60%, 74%
XYZ	22.8205, 38.3134, 12.8491
YIQ	143.7230, -26.3070, -57.4030

Conversions

Conversions Part 2

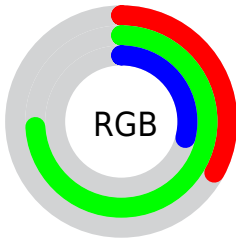
Format	Color
RYB	75, 188, 180
Decimal	5487691
CIELab	68.25, -52.39, 47.16
CIElCh	68, 70.487, 138.005
Yxy	38.3134, 0.3085, 0.5179
Android (android.graphics.Color)	4283677771 (0xFF53BC4B)
YUV	143.7230, -33.8804, -53.2541
Hunter-Lab	61.8978, -42.5118, 31.0207

Details

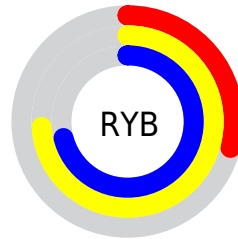
The XYZ color **22.8205, 38.3134, 12.8491** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.4176, 18.3677, 49.5211**, and the grayscale version is **26.5382, 27.9202, 30.4051**.

A 20% lighter version of the original color is **47.4677, 72.4998, 31.5707**, and **8.6639, 17.1072, 3.5072** is the 20% darker color. If you saturate the color by 10%, you get **20.9180, 37.3975, 9.8834**, and if you desaturate by 10%, it is **25.3033, 39.5088, 16.8359**.

Distribution



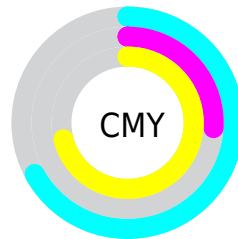
- Red (33%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (71%)



- Cyan (56%)
- Magenta (0%)
- Yellow (60%)
- Black (26%)





- Cyan (67%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8205, 38.3134, 12.8491 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 22.8205, 38.3134, 12.8491 by changing the saturation by 10% instead.


 22.8205, 38.3134,
12.8491


 22.8205, 38.3134,
12.8491


259.3543,
338.9625, 221.1221


 14.5810, 26.2260,
7.1952


 47.5672, 72.5882,
31.7196


 8.6102, 16.9928,
3.5042


 64.8052, 95.5445,
45.7733


 4.5429, 10.2294,
1.3575


 85.7733, 122.8925,
63.4641

 2.0136, 5.5513,
0.1082

 110.8370,
155.0166, 85.2104

 0.6416, 2.5742,
0.0000

 140.3616,
192.3013, 111.4308

 0.0000, 0.9137,
0.0000

174.7124,

 0.0000, 0.0000,

235.1309, 142.5438

0.0000

214.2549,
283.8898, 178.9681

■ 22.8205, 38.3134,
12.8491

■ 22.8205, 38.3134,
12.8491

■ 20.9180, 37.3975,
9.8834

■ 25.3033, 39.5088,
16.8359

■ 19.5461, 36.7339,
7.8438

■ 28.4055, 40.9987,
21.9226

■ 18.6510, 36.2986,
6.6218

■ 32.1660, 42.8026,
28.1832

■ 18.1545, 36.0558,
6.0026

■ 36.6197, 44.9372,
35.6844

■ 41.7992, 47.4178,
44.4882

■ 47.7347, 50.2589,
54.6522

■ 54.4551, 53.4740,
66.2306

■ 61.9874, 57.0761,
79.2748

■ 70.3575, 61.0775,
93.8334

Harmonies

Analogous

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



30.2469, 38.3134, 6.5149



22.8205, 38.3134, 12.8491



19.3629, 38.3134, 30.3255

Triad

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



22.8205, 38.3134, 12.8491



32.1841, 38.3134, 133.7754



60.5336, 38.3134, 25.6206

Complementary

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



22.8205, 38.3134, 12.8491



30.4176, 18.3677, 49.5211

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.



61.3446, 38.3134, 55.6538



22.8205, 38.3134, 12.8491



43.3710, 38.3134, 130.2242

Square

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



22.8205, 38.3134, 12.8491



23.9910, 38.3134, 105.0832



54.5576, 38.3134, 96.9676



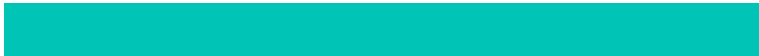
52.5253, 38.3134, 10.9034

Rectangle

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



22.8205, 38.3134, 12.8491



19.1951, 38.3134, 50.7577



54.5576, 38.3134, 96.9676



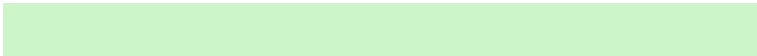
61.7083, 38.3134, 33.8187

Sweetspot

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



22.8214, 38.3150, 12.8500



67.9655, 82.2053, 67.3807



38.0474, 43.2747, 13.0048



14.0660, 17.4145, 13.5593



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.8214, 38.3150, 12.8500



37.0469, 67.3580, 16.6051



24.4041, 38.8712, 24.6572



9.4697, 10.6810, 10.1392



12.3845, 24.5603, 4.0879



0.5067, 0.9732, 0.1611

Inverse Universe

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



30.4176, 18.3677, 49.5211



51.9357, 27.9911, 88.8917



28.0580, 17.6451, 27.0952



9.8615, 9.6610, 12.0172



18.1968, 8.6669, 33.1067



0.7329, 0.3499, 1.2978

Previews

White Background



This preview shows how the XYZ color 22.8205, 38.3134, 12.8491 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 22.8205, 38.3134, 12.8491 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 22.8205, 38.3134, 12.8491

Background



This preview shows how black text looks on a background with the XYZ color 22.8205, 38.3134, 12.8491.



This preview shows how white text looks on a background with the XYZ color 22.8205, 38.3134,

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

22.8205, 38.3134, 12.8491

Protanopia

34.2657, 37.5180, 10.9045

Deuteranopia

38.2858, 37.4505, 13.5983



Tritanopia

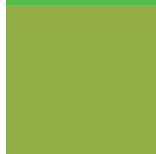
31.0039, 37.9565, 54.4075

Trichromacy



Original Color

22.8205, 38.3134, 12.8491



Protanomaly

28.1135, 36.5451, 11.5334



Deuteranomaly

29.7859, 35.9703, 13.1577



Tritanomaly

26.8121, 37.4333, 33.8292

Monochromacy



Original Color

22.8205, 38.3134, 12.8491



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.9266, 30.6111, 22.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8205, 38.3134, 12.8491 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(83, 188, 75)` looks like.

```
.text, #text, p{  
    color:rgb(83, 188, 75)  
}
```

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(83, 188, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 188, 75) }
```

Border

The CSS property to change the border of an element to XYZ 22.8205, 38.3134, 12.8491 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(83, 188, 75) }
```


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

```
.border{ border-color:rgb(83, 188, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 188, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 188, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 188, 75);  
box-shadow:4px 4px 4px 4px rgb(83, 188,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8205, 38.3134, 12.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 188, 75) }
```

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

```
.background{ background-color: rgb(83, 188,  
75) }
```

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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