

Converting Colors

XYZ(23.2626, 38.5420, 12.9056)

Have a look what the booklet for
XYZ(23.2626, 38.5420, 12.9056)
contains.

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Color

**XYZ(23.2777, 38.5491,
12.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	58BC4B
RGB	88, 188, 75
RGB Percent	35%, 74%, 29%
CMY	0.6549, 0.2627, 0.7059
CMYK	0.53, 0.00, 0.60, 0.26
HSL	113°, 46%, 52%
HSV	113°, 60%, 74%
XYZ	23.2777, 38.5491, 12.8705
YIQ	145.2180, -23.3270, -56.3430

Conversions

Conversions Part 2

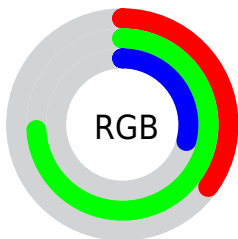
Format	Color
RYB	75, 188, 175
Decimal	5815371
CIELab	68.42, -51.07, 47.40
CIELCh	68, 69.677, 137.131
Yxy	38.5491, 0.3116, 0.5161
Android (android.graphics.Color)	4284005451 (0xFF58BC4B)
YUV	145.2180, -34.6175, -50.1802
Hunter-Lab	62.0879, -41.7315, 31.1710

Details

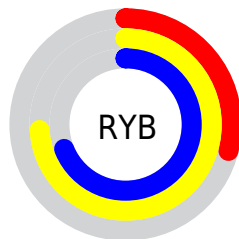
The XYZ color **23.2777, 38.5491, 12.8705** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.2745, 17.7784, 49.4676**, and the grayscale version is **27.1464, 28.5602, 31.1020**.

A 20% lighter version of the original color is **48.3372, 72.9481, 31.6114**, and **8.9008, 17.2293, 3.5183** is the 20% darker color. If you saturate the color by 10%, you get **21.3280, 37.6088, 9.9026**, and if you desaturate by 10%, it is **25.7789, 39.7540, 16.8582**.

Distribution



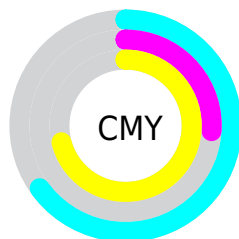
- Red (35%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (69%)



- Cyan (53%)
- Magenta (0%)
- Yellow (60%)
- Black (26%)



- Cyan (65%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2777, 38.5491, 12.8705 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 23.2777, 38.5491, 12.8705 by changing the saturation by 10% instead.

■ 23.2777, 38.5491,
12.8705

■ 23.2777, 38.5491,
12.8705

261.6569,
339.9696, 221.2646

■ 14.9205, 26.4091,
7.2098

■ 48.3122, 72.9490,
31.7587

■ 8.8496, 17.1300,
3.5132

■ 65.7203, 95.9777,
45.8232

■ 4.6995, 10.3272,
1.3623

■ 86.8760, 123.4048,
63.5261

■ 2.1050, 5.6164,
0.1120

■ 112.1447,
155.6146, 85.2859

■ 0.6919, 2.6133,
0.0000

■ 141.8918,
192.9917, 111.5211

■ 0.0000, 0.9333,
0.0000

176.4826,

■ 0.0000, 0.0000,

235.9202, 142.6503

0.0000

216.2825,
284.7848, 179.0919

■ 23.2777, 38.5491,
12.8705

■ 23.2777, 38.5491,
12.8705

■ 21.3280, 37.6088,
9.9026

■ 25.7789, 39.7540,
16.8582

■ 19.8848, 36.9085,
7.8596

■ 28.8663, 41.2363,
21.9442

■ 18.9007, 36.4273,
6.6335

■ 32.5753, 43.0136,
28.2023

■ 18.3066, 36.1343,
6.0098

■ 36.9373, 45.1009,
35.6993

■ 41.9820, 47.5120,
44.4968

■ 47.7369, 50.2600,
54.6523

■ 54.2282, 53.3571,
66.2200

■ 61.4807, 56.8149,
79.2511

■ 69.5180, 60.6448,
93.7942

Harmonies

Analogous

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



30.7834, 38.5491, 6.7032



23.2777, 38.5491, 12.8705



19.7132, 38.5491, 29.9286

Triad

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



23.2777, 38.5491, 12.8705



32.1491, 38.5491, 132.4251



60.6579, 38.5491, 26.6044

Complementary

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



23.2777, 38.5491, 12.8705



29.2745, 17.7784, 49.4676

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.



61.2265, 38.5491, 56.8810



23.2777, 38.5491, 12.8705



43.1955, 38.5491, 129.9453

Square

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



23.2777, 38.5491, 12.8705



24.1052, 38.5491, 103.4628



54.3313, 38.5491, 97.7865



52.9049, 38.5491, 11.4824

Rectangle

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



23.2777, 38.5491, 12.8705



19.4721, 38.5491, 49.9093



54.3313, 38.5491, 97.7865



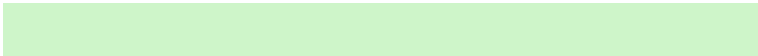
61.7432, 38.5491, 34.9268

Sweetspot

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



23.2786, 38.5507, 12.8714



68.5027, 82.4823, 67.4058



37.3050, 41.7899, 12.7573



14.1945, 17.4808, 13.5653



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.



23.2786, 38.5507, 12.8714



37.7542, 67.7227, 16.6382



24.1750, 38.7796, 23.4505



9.5080, 10.7008, 10.1410



12.4968, 24.6182, 4.0931



0.5237, 0.9819, 0.1619

Inverse Universe

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



29.2745, 17.7784, 49.4676



49.4554, 26.7125, 88.7756



28.3429, 17.7591, 28.5957



9.8190, 9.6391, 12.0152



16.9812, 8.0402, 33.0498



0.6962, 0.3309, 1.2960

Previews

White Background



This preview shows how the XYZ color 23.2777, 38.5491, 12.8705 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 23.2777, 38.5491, 12.8705 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 23.2777, 38.5491, 12.8705

Background



This preview shows how black text looks on a background with the XYZ color 23.2777, 38.5491, 12.8705.



This preview shows how white text looks on a background with the XYZ color 23.2777, 38.5491,

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

23.2777, 38.5491, 12.8705

Protanopia

34.4468, 37.8801, 10.9649

Deuteranopia

38.7289, 37.9312, 13.6677



Tritanopia

31.5017, 38.2131, 54.4308

Trichromacy



Original Color

23.2777, 38.5491, 12.8705



Protanomaly

28.6678, 37.1166, 11.6145



Deuteranomaly

30.5735, 36.6514, 13.2476



Tritanomaly

27.2601, 37.6642, 33.8501

Monochromacy



Original Color

23.2777, 38.5491, 12.8705



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.4472, 31.1309, 22.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2777, 38.5491, 12.8705 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(88, 188, 75)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 188, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 188, 75) }
```

Border

The CSS property to change the border of an element to XYZ 23.2777, 38.5491, 12.8705 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(88, 188, 75) }
```


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

```
.border{ border-color:rgb(88, 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(88, 188, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 188, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 188, 75);  
box-shadow:4px 4px 4px 4px rgb(88, 188,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2777, 38.5491, 12.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 188, 75) }
```

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

```
.background{ background-color: rgb(88, 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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