

Converting Colors

XYZ(21.7839, 38.0893, 13.2250)

Have a look what the booklet for
XYZ(21.7839, 38.0893, 13.2250)
contains.

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Color

**XYZ(21.7839, 38.0893,
13.2250)**

Conversions

Conversions Part 1

Format	Color
Hex	42BD4D
RGB	66, 189, 77
RGB Percent	26%, 74%, 30%
CMY	0.7412, 0.2588, 0.6980
CMYK	0.65, 0.00, 0.59, 0.26
HSL	125°, 48%, 50%
HSV	125°, 65%, 74%
XYZ	21.7839, 38.0893, 13.2250
YIQ	139.4550, -37.3560, -60.9080

Conversions

Conversions Part 2

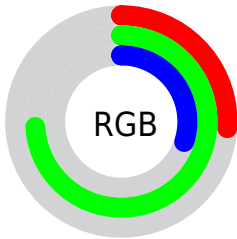
Format	Color
RYB	66, 179, 189
Decimal	4373837
CIELab	68.09, -56.45, 45.93
CIELCh	68, 72.778, 140.870
Yxy	38.0893, 0.2980, 0.5211
Android (android.graphics.Color)	4282563917 (0xFF42BD4D)
YUV	139.4550, -30.7903, -64.4200
Hunter-Lab	61.7165, -44.9993, 30.4965

Details

The XYZ color **21.7839, 38.0893, 13.2250** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **30.9713, 17.9301, 43.9483**, and the grayscale version is **24.8425, 26.1363, 28.4624**.

A 20% lighter version of the original color is **45.8203, 72.0857, 32.2678**, and **8.6798, 17.1121, 3.6561** is the 20% darker color. If you saturate the color by 10%, you get **20.1854, 37.3275, 10.3874**, and if you desaturate by 10%, it is **23.9656, 39.1354, 16.9306**.

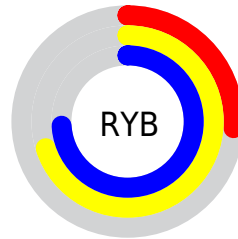
Distribution



Red (26%)

Green (74%)

Blue (30%)



Red (26%)

Yellow (70%)

Blue (74%)

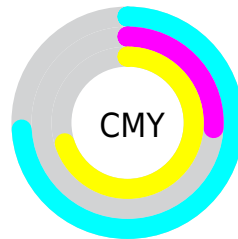


Cyan (65%)

Magenta (0%)

Yellow (59%)

Black (26%)



Cyan (74%)


Magenta (26%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7839, 38.0893, 13.2250 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 21.7839, 38.0893, 13.2250 by changing the saturation by 10% instead.


 21.7839, 38.0893,
13.2250


 21.7839, 38.0893,
13.2250


254.0693,
338.0029, 223.6129


 13.8139, 26.0520,
7.4511


 45.8701, 72.2450,
32.4045

 8.0722, 16.8625,
3.6631


 62.7170, 95.1322,
46.6472


 4.1934, 10.1365,
1.4424


 83.2536, 122.4048,
64.5500

 1.8121, 5.4896,
0.1745

 107.8452,
154.4472, 86.5313

 0.5249, 2.5373,
0.0000

 136.8573,
191.6438, 113.0097

 0.0000, 0.8952,
0.0000

170.6550,

 0.0000, 0.0000,

234.3790, 144.4037

0.0000

209.6039,
283.0373, 181.1319

■ 21.7839, 38.0893,
13.2250

■ 21.7839, 38.0893,
13.2250

■ 20.1854, 37.3275,
10.3874

■ 23.9656, 39.1354,
16.9306

■ 19.1112, 36.8178,
8.3450

■ 26.7768, 40.4849,
21.5643

■ 18.4943, 36.5286,
7.0170

■ 30.2621, 42.1609,
27.1838

■ 18.2988, 36.4369,
6.5951

■ 34.4615, 44.1828,
33.8415

■ 39.4116, 46.5684,
41.5859

■ 45.1468, 49.3344,
50.4627

■ 51.6991, 52.4965,
60.5147

■ 59.0988, 56.0695,
71.7826

■ 67.3747, 60.0673,
84.3053

Harmonies

Analogous

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



28.9762, 38.0893, 6.2071



21.7839, 38.0893, 13.2250



18.6573, 38.0893, 32.3303

Triad

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



21.7839, 38.0893, 13.2250



32.8512, 38.0893, 138.7531



60.6430, 38.0893, 22.9646

Complementary

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



21.7839, 38.0893, 13.2250



30.9713, 17.9301, 43.9483

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.



62.2859, 38.0893, 52.1943



21.7839, 38.0893, 13.2250



44.5408, 38.0893, 131.4879

Square

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



21.7839, 38.0893, 13.2250



24.1101, 38.0893, 111.2373



55.8917, 38.0893, 94.6953



51.7836, 38.0893, 9.4411

Rectangle

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



21.7839, 38.0893, 13.2250



18.7313, 38.0893, 54.4007



55.8917, 38.0893, 94.6953



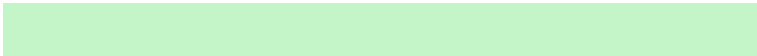
62.1210, 38.0893, 30.7747

Sweetspot

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



21.7848, 38.0909, 13.2259



65.7663, 81.0786, 66.9617



37.7152, 46.3445, 12.1118



13.6207, 17.1840, 13.5814



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.



21.7848, 38.0909, 13.2259



35.2408, 66.4183, 16.9132



25.0147, 39.3828, 30.2340



9.4425, 10.6631, 10.3138



12.3242, 24.5199, 4.5038



0.4946, 0.9652, 0.2388

Inverse Universe

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



30.9713, 17.9301, 43.9483



52.8636, 27.5873, 75.7335



26.1611, 16.0060, 18.6179



9.8922, 9.6812, 11.8211



19.1510, 9.2916, 27.1526



0.7611, 0.3683, 1.1210

Previews

White Background



This preview shows how the XYZ color 21.7839, 38.0893, 13.2250 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 21.7839, 38.0893, 13.2250 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 21.7839, 38.0893, 13.2250

Background



This preview shows how black text looks on a background with the XYZ color 21.7839, 38.0893, 13.2250.



This preview shows how white text looks on a background with the XYZ color 21.7839, 38.0893,

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

21.7839, 38.0893, 13.2250

Protanopia

34.0891, 37.4197, 11.2204

Deuteranopia

38.0938, 37.3424, 14.0041



Tritanopia

30.1663, 37.7914, 55.5737

Trichromacy



Original Color

21.7839, 38.0893, 13.2250



Protanomaly

27.1539, 36.3286, 11.8843



Deuteranomaly

28.8862, 35.7728, 13.5660



Tritanomaly

25.8666, 37.2282, 34.6766

Monochromacy



Original Color

21.7839, 38.0893, 13.2250



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.8914, 28.8196, 20.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7839, 38.0893, 13.2250 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(66, 189, 77)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 77)  
}
```

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(66, 189, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 77) }
```

Border

The CSS property to change the border of an element to XYZ 21.7839, 38.0893, 13.2250 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(66, 189, 77) }
```


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

```
.border{ border-color:rgb(66, 189, 77) }
```

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

Here you see how a box with a 4 pixel rgb(66, 189, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 77);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7839, 38.0893, 13.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 77) }
```

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

```
.background{ background-color: rgb(66, 189,  
77) }
```

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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