

Converting Colors

XYZ(21.1697, 38.1810, 9.2708)

Have a look what the booklet for
XYZ(21.1697, 38.1810, 9.2708)
contains.

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Color

**XYZ(21.1692, 38.1810,
9.2716)**

Conversions

Conversions Part 1

Format	Color
Hex	41BE32
RGB	65, 190, 50
RGB Percent	25%, 75%, 20%
CMY	0.7451, 0.2549, 0.8039
CMYK	0.66, 0.00, 0.74, 0.25
HSL	114°, 58%, 47%
HSV	114°, 74%, 75%
XYZ	21.1692, 38.1810, 9.2716
YIQ	136.6650, -29.5600, -70.0400

Conversions

Conversions Part 2

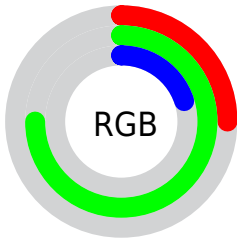
Format	Color
RYB	50, 190, 175
Decimal	4308530
CIELab	68.15, -59.65, 57.10
CIELCh	68, 82.578, 136.250
Yxy	38.1810, 0.3085, 0.5564
Android (android.graphics.Color)	4282498610 (0xFF41BE32)
YUV	136.6650, -42.7258, -62.8502
Hunter-Lab	61.7908, -46.9807, 34.3572

Details

The XYZ color **21.1692, 38.1810, 9.2716** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.1165, 15.1144, 50.1526**, and the grayscale version is **23.8165, 25.0568, 27.2869**.

A 20% lighter version of the original color is **44.7127, 72.1306, 24.9306**, and **8.6640, 17.3279, 2.8880** is the 20% darker color. If you saturate the color by 10%, you get **19.8822, 37.5566, 7.4979**, and if you desaturate by 10%, it is **22.9653, 39.0505, 11.9583**.

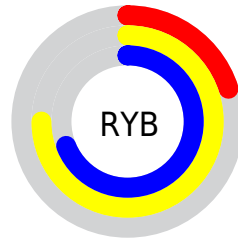
Distribution



Red (25%)

Green (75%)

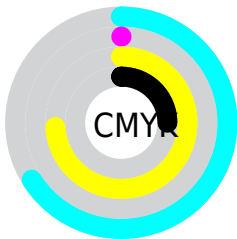
Blue (20%)



Red (20%)

Yellow (75%)

Blue (69%)

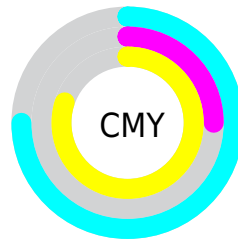


Cyan (66%)

Magenta (0%)

Yellow (74%)

Black (25%)



Cyan (75%)


Magenta (25%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1692, 38.1810, 9.2716 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 21.1692, 38.1810, 9.2716 by changing the saturation by 10% instead.


 21.1692, 38.1810,
9.2716


 21.1692, 38.1810,
9.2716


250.8911,
338.3958, 195.6833


 13.3609, 26.1232,
4.8195


 44.8581, 72.3855,
25.0022

 7.7562, 16.9158,
2.0849


 61.4694, 95.3009,
37.1177


 3.9899, 10.1745,
0.6068


 81.7458, 122.6044,
52.6249

 1.6964, 5.5148,
0.0000

 106.0526,
154.6803, 71.9422

 0.4540, 2.5524,
0.0000

 134.7552,
191.9130, 95.4881

 0.0000, 0.9028,
0.0000

 168.2189,

 0.0000, 0.0000,

234.6869, 123.6813

0.0000

206.8091,
283.3863, 156.9402

■ 21.1692, 38.1810,
9.2716

■ 21.1692, 38.1810,
9.2716

■ 19.8822, 37.5566,
7.4979

■ 22.9653, 39.0505,
11.9583

■ 19.0478, 37.1474,
6.5142

■ 25.3140, 40.1819,
15.6556

■ 18.7099, 36.9808,
6.1519

■ 28.2571, 41.5960,
20.4513

■ 31.8316, 43.3103,
26.4231

■ 36.0715, 45.3406,
33.6415

■ 41.0082, 47.7019,
42.1716

■ 46.6714, 50.4080,
52.0740

■ 53.0887, 53.4722,
63.4054

■ 60.2866, 56.9067,
76.2194

Harmonies

Analogous

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



29.7869, 38.1810, 3.8799



21.1692, 38.1810, 9.2716



17.1467, 38.1810, 26.8805

Triad

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



21.1692, 38.1810, 9.2716



30.7118, 38.1810, 155.6597



65.6639, 38.1810, 24.7055

Complementary

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



21.1692, 38.1810, 9.2716



28.1165, 15.1144, 50.1526

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.



66.0803, 38.1810, 60.8295



21.1692, 38.1810, 9.2716



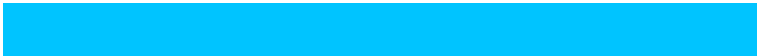
43.6765, 38.1810, 153.7353

Square

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



21.1692, 38.1810, 9.2716



21.7074, 38.1810, 116.8158



57.2990, 38.1810, 112.5101



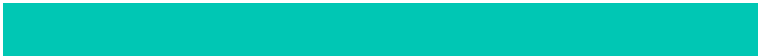
56.2687, 38.1810, 8.4895

Rectangle

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



21.1692, 38.1810, 9.2716



16.8074, 38.1810, 49.7885



57.2990, 38.1810, 112.5101



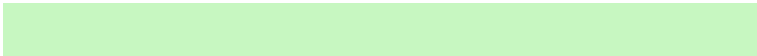
66.9234, 38.1810, 34.3142

Sweetspot

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



21.1701, 38.1826, 9.2725



66.4761, 82.6926, 62.8705



36.8844, 41.3228, 9.0503



14.0972, 17.9191, 12.9474



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.1701, 38.1826, 9.2725



35.0662, 67.5847, 12.4041



22.2119, 38.4995, 19.2698



9.5011, 10.6972, 10.1406



12.4739, 24.6064, 4.0921



0.5206, 0.9804, 0.1618

Inverse Universe

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



28.1165, 15.1144, 50.1526



48.0502, 23.5025, 90.2830



26.8449, 15.0165, 24.9021



9.8266, 9.6430, 12.0156



17.1928, 8.1493, 33.0597



0.7026, 0.3343, 1.2963

Previews

White Background



This preview shows how the XYZ color 21.1692, 38.1810, 9.2716 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 21.1692, 38.1810, 9.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

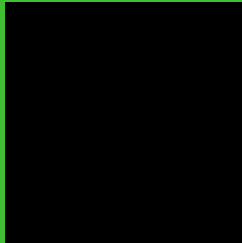
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1692, 38.1810, 9.2716

Background



This preview shows how black text looks on a background with the XYZ color 21.1692, 38.1810, 9.2716.



This preview shows how white text looks on a background with the XYZ color 21.1692, 38.1810,

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

21.1692, 38.1810, 9.2716

Protanopia

33.9173, 37.4064, 7.8154

Deuteranopia

38.1310, 37.4520, 9.9219



Tritanopia

30.3822, 37.9027, 55.5838

Trichromacy



Original Color

21.1692, 38.1810, 9.2716



Protanomaly

26.6137, 36.1321, 8.1563



Deuteranomaly

28.2781, 35.5514, 9.3747



Tritanomaly

25.3921, 37.3756, 30.6869

Monochromacy



Original Color

21.1692, 38.1810, 9.2716



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.9938, 28.1764, 17.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1692, 38.1810, 9.2716 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(65, 190, 50)` looks like.

```
.text, #text, p{  
    color:rgb(65, 190, 50)  
}
```

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(65, 190, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 190, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.1692, 38.1810, 9.2716 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(65, 190, 50) }
```


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

```
.border{ border-color:rgb(65, 190, 50) }
```

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

Here you see how a box with a 4 pixel rgb(65, 190, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 190, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 190, 50);  
box-shadow:4px 4px 4px 4px rgb(65, 190,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1692, 38.1810, 9.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 190, 50) }
```

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

```
.background{ background-color: rgb(65, 190,  
50) }
```

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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