

Converting Colors

XYZ(21.2345, 38.6849, 6.3478)

Have a look what the booklet for
XYZ(21.2345, 38.6849, 6.3478)
contains.

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Color

**XYZ(21.1566, 38.5637,
6.3285)**

Conversions

Conversions Part 1

Format	Color
Hex	46BF00
RGB	70, 191, 0
RGB Percent	27%, 75%, 0%
CMY	0.7255, 0.2510, 0.9999
CMYK	0.63, 0.00, 1.00, 0.25
HSL	98°, 100%, 37%
HSV	98°, 100%, 75%
XYZ	21.1566, 38.5637, 6.3285
YIQ	133.0470, -10.8050, -85.0530

Conversions

Conversions Part 2

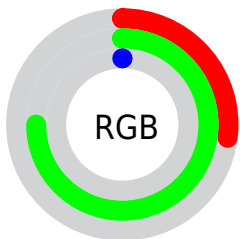
Format	Color
RYB	0, 191, 121
Decimal	4636416
CIELab	68.43, -60.92, 68.10
CIELCh	68, 91.374, 131.813
Yxy	38.5637, 0.3203, 0.5839
Android (android.graphics.Color)	4282826496 (0xFF46BF00)
YUV	133.0470, -65.5922, -55.2922
Hunter-Lab	62.0997, -47.8617, 37.4276

Details

The XYZ color **21.1566, 38.5637, 6.3285** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **17.2933, 7.8290, 49.8920**, and the grayscale version is **22.5476, 23.7218, 25.8331**.

A 20% lighter version of the original color is **44.6516, 72.6859, 19.0735**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **21.1564, 38.5648, 6.3287**, and if you desaturate by 10%, it is **22.2387, 39.1090, 6.9983**.

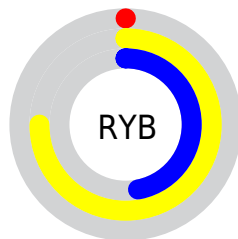
Distribution



Red (27%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (47%)

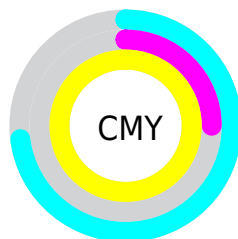


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (73%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1566, 38.5637, 6.3285 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 21.1566, 38.5637, 6.3285 by changing the saturation by 10% instead.


 21.1566, 38.5637,
6.3285


 21.1566, 38.5637,
6.3285


250.8256,
340.0320, 171.3747


 13.3516, 26.4205,
2.9738


 44.8373, 72.9713,
19.0983


 7.7498, 17.1385,
1.0813


 61.4438, 96.0045,
29.3506


 3.9857, 10.3333,
0.0000


 81.7148, 123.4365,
42.7391

 1.6941, 5.6205,
0.0000

 106.0157,
155.6517, 59.6824

 0.4525, 2.6157,
0.0000

 134.7119,
193.0344, 80.5991

 0.0000, 0.9346,
0.0000

 168.1687,

 0.0000, 0.0000,

235.9691, 105.9077

0.0000

206.7515,
284.8401, 136.0267

■ 21.1566, 38.5637,
6.3285

■ 21.1566, 38.5637,
6.3285

■ 21.1564, 38.5648,
6.3287

■ 22.2387, 39.1090,
6.9983

■ 23.6220, 39.7950,
8.2888

■ 25.3584, 40.6447,
10.4219

■ 27.4774, 41.6710,
13.5099

■ 30.0052, 42.8851,
17.6478

■ 32.9648, 44.2973,
22.9192

■ 36.3778, 45.9168,
29.3990

■ 40.2639, 47.7525,
37.1560

■ 44.6417, 49.8125,
46.2538

Harmonies

Analogous

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



31.2875, 38.5637, 2.4077



21.1566, 38.5637, 6.3285



16.1838, 38.5637, 21.8296

Triad

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



21.1566, 38.5637, 6.3285



28.6941, 38.5637, 170.8034



70.8620, 38.5637, 27.7941

Complementary

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



21.1566, 38.5637, 6.3285



17.2933, 7.8290, 49.8920

Split Complementary

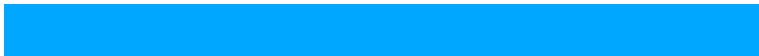
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.6359, 38.5637, 71.8190



21.1566, 38.5637, 6.3285



42.6007, 38.5637, 176.6683

Square

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



21.1566, 38.5637, 6.3285



19.6870, 38.5637, 119.8390



58.3126, 38.5637, 132.7890



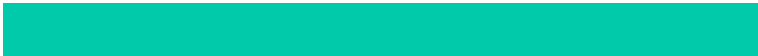
61.3214, 38.5637, 8.2577

Rectangle

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



21.1566, 38.5637, 6.3285



15.4049, 38.5637, 44.5402



58.3126, 38.5637, 132.7890



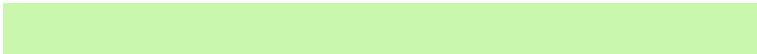
71.7516, 38.5637, 39.5378

Sweetspot

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



21.1575, 38.5653, 6.3294



64.8337, 82.0840, 52.0355



28.3215, 24.7460, 3.2844



13.6454, 17.7446, 10.2891



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.



21.1575, 38.5653, 6.3294



37.6461, 68.9413, 11.3229



18.8126, 37.3356, 7.1624



9.7300, 10.8152, 10.1514



13.9848, 25.3853, 4.1628



0.6204, 1.0318, 0.1665

Inverse Universe

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



17.2933, 7.8290, 49.8920



30.6922, 13.8768, 89.3400



28.3278, 13.8136, 37.0285



9.5818, 9.5168, 12.0041



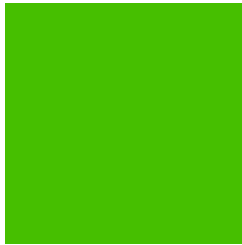
11.4545, 5.1911, 32.7912



0.5183, 0.2392, 1.2877

Previews

White Background



This preview shows how the XYZ color 21.1566, 38.5637, 6.3285 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 21.1566, 38.5637, 6.3285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

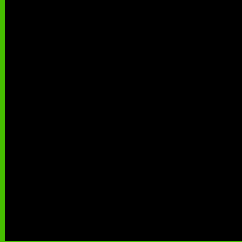
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1566, 38.5637, 6.3285

Background



This preview shows how black text looks on a background with the XYZ color 21.1566, 38.5637, 6.3285.



This preview shows how white text looks on a background with the XYZ color 21.1566, 38.5637,

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

21.1566, 38.5637, 6.3285

Protanopia

34.1297, 37.8372, 5.5045

Deuteranopia

38.4524, 37.6770, 7.2532



Tritanopia

31.0283, 38.5301, 55.6709

Trichromacy



Original Color

21.1566, 38.5637, 6.3285



Protanomaly

26.8316, 36.5892, 5.6483



Deuteranomaly

28.4640, 35.7152, 6.3132



Tritanomaly

24.7607, 37.4963, 24.3448

Monochromacy



Original Color

21.1566, 38.5637, 6.3285



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.6257, 27.0821, 12.7873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1566, 38.5637, 6.3285 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(70, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 191, 0)  
}
```

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(70, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.1566, 38.5637, 6.3285 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(70, 191, 0) }
```


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

```
.border{ border-color:rgb(70, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1566, 38.5637, 6.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 191, 0) }
```

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

```
.background{ background-color: rgb(70, 191,  
0) }
```

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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