

Converting Colors

XYZ(20.9519, 36.1076, 6.5458)

Have a look what the booklet for
XYZ(20.9519, 36.1076, 6.5458)
contains.

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Color

**XYZ(21.0131, 36.2628,
6.5537)**

Conversions

Conversions Part 1

Format	Color
Hex	55B814
RGB	85, 184, 20
RGB Percent	33%, 72%, 8%
CMY	0.6667, 0.2784, 0.9215
CMYK	0.54, 0.00, 0.89, 0.28
HSL	96°, 80%, 40%
HSV	96°, 89%, 72%
XYZ	21.0131, 36.2628, 6.5537
YIQ	135.7030, -6.3600, -71.9920

Conversions

Conversions Part 2

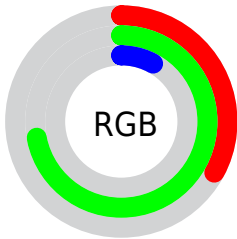
Format	Color
RYB	20, 184, 119
Decimal	5617684
CIELab	66.72, -54.22, 64.24
CIELCh	67, 84.063, 130.164
Yxy	36.2628, 0.3292, 0.5681
Android (android.graphics.Color)	4283807764 (0xFF55B814)
YUV	135.7030, -57.0416, -44.4665
Hunter-Lab	60.2186, -43.0955, 35.7004

Details

The XYZ color **21.0131, 36.2628, 6.5537** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **16.5122, 7.8845, 46.0010**, and the grayscale version is **23.5002, 24.7240, 26.9244**.

A 20% lighter version of the original color is **44.5966, 69.4958, 19.6579**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **19.9658, 35.7376, 5.8920**, and if you desaturate by 10%, it is **22.3331, 36.9178, 7.8175**.

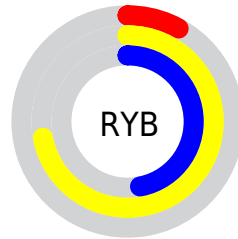
Distribution



Red (33%)

Green (72%)

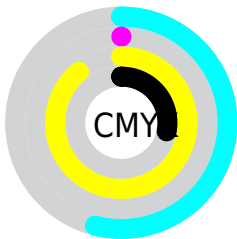
Blue (8%)



Red (8%)

Yellow (72%)

Blue (47%)

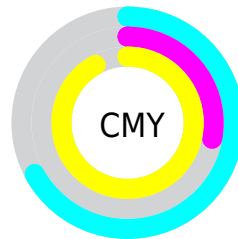


Cyan (54%)

Magenta (0%)

Yellow (89%)

Black (28%)



Cyan (67%)


Magenta (28%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0131, 36.2628, 6.5537 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 21.0131, 36.2628, 6.5537 by changing the saturation by 10% instead.


 21.0131, 36.2628,
6.5537


 21.0131, 36.2628,
6.5537


250.0785,
330.1077, 173.3897


 13.2461, 24.6372,
3.1104


 44.6004, 69.4375,
19.5669

 7.6764, 15.8070,
1.1513


 61.1515, 91.7554,
29.9739

 3.9386, 9.3877,
0.0000


 81.3613, 118.4062,
43.5393

 1.6675, 4.9949,
0.0000

 105.5951,
149.7744, 60.6815

 0.4358, 2.2443,
0.0000

 134.2184,
186.2442, 81.8191

 0.0000, 0.7440,
0.0000

 167.5965,

 0.0000, 0.0000,

228.2001, 107.3706

0.0000

206.0948,
276.0265, 137.7547

■ 21.0131, 36.2628,
6.5537

■ 21.0131, 36.2628,
6.5537

■ 19.9658, 35.7376,
5.8920

■ 22.3331, 36.9178,
7.8175

■ 19.8828, 35.6958,
5.8421

■ 23.9646, 37.7153,
9.8630

■ 25.9340, 38.6678,
12.7915

■ 28.2636, 39.7849,
16.6883

■ 30.9734, 41.0753,
21.6288

■ 34.0819, 42.5471,
27.6809

■ 37.6062, 44.2076,
34.9066

■ 41.5622, 46.0639,
43.3636

■ 45.9650, 48.1226,
53.1056

Harmonies

Analogous

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



30.3413, 36.2628, 2.9219



21.0131, 36.2628, 6.5537



16.2447, 36.2628, 20.2154

Triad

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



21.0131, 36.2628, 6.5537



26.8386, 36.2628, 148.3014



64.4616, 36.2628, 28.4007

Complementary

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



21.0131, 36.2628, 6.5537



16.5122, 7.8845, 46.0010

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.



62.8602, 36.2628, 68.2295



21.0131, 36.2628, 6.5537



38.9501, 36.2628, 155.7859

Square

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



21.0131, 36.2628, 6.5537



18.9918, 36.2628, 103.8025



52.7022, 36.2628, 120.4795



56.6548, 36.2628, 9.4030

Rectangle

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



21.0131, 36.2628, 6.5537



15.3844, 36.2628, 39.6841



52.7022, 36.2628, 120.4795



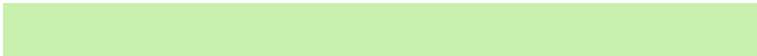
65.0440, 36.2628, 39.2846

Sweetspot

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



21.0139, 36.2643, 6.5545



62.7955, 77.6042, 52.2171



26.4208, 23.2942, 3.7660



13.0999, 16.5232, 10.3817



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.0139, 36.2643, 6.5545



35.7903, 64.5761, 10.5781



17.7547, 34.5612, 7.4373



9.2181, 10.2291, 9.5955



13.7774, 24.6388, 4.0296



0.5560, 0.9048, 0.1453

Inverse Universe

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



16.5122, 7.8845, 46.0010



27.3094, 12.2667, 83.1330



27.0495, 13.5039, 38.0337



9.0272, 8.9804, 11.3370



10.5692, 4.7598, 31.6148



0.4402, 0.2026, 1.1177

Previews

White Background



This preview shows how the XYZ color 21.0131, 36.2628, 6.5537 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 21.0131, 36.2628, 6.5537 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 21.0131, 36.2628, 6.5537

Background



This preview shows how black text looks on a background with the XYZ color 21.0131, 36.2628, 6.5537.



This preview shows how white text looks on a background with the XYZ color 21.0131, 36.2628, 6.5537.

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

21.0131, 36.2628, 6.5537

Protanopia

32.2665, 35.8077, 5.4981

Deuteranopia

36.4378, 35.6461, 7.1504



Tritanopia

29.8754, 36.0081, 51.2746

Trichromacy



Original Color

21.0131, 36.2628, 6.5537



Protanomaly

26.4866, 34.9842, 5.7721



Deuteranomaly

28.0614, 34.1400, 6.6241



Tritanomaly

24.7065, 35.3561, 24.9243

Monochromacy



Original Color

21.0131, 36.2628, 6.5537



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.7477, 27.3725, 14.7796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0131, 36.2628, 6.5537 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(85, 184, 20)` looks like.

```
.text, #text, p{  
    color:rgb(85, 184, 20)  
}
```

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(85, 184, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 184, 20) }
```

Border

The CSS property to change the border of an element to XYZ 21.0131, 36.2628, 6.5537 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(85, 184, 20) }
```


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

```
.border{ border-color:rgb(85, 184, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 184, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 184, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 184, 20);  
box-shadow:4px 4px 4px 4px rgb(85, 184,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0131, 36.2628, 6.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 184, 20) }
```

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

```
.background{ background-color: rgb(85, 184,  
20) }
```

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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