

Converting Colors

XYZ(21.6046, 37.3948, 18.0546)

Have a look what the booklet for
XYZ(21.6046, 37.3948, 18.0546)
contains.

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Color

**XYZ(21.5388, 37.2176,
18.1051)**

Conversions

Conversions Part 1

Format	Color
Hex	35BB64
RGB	53, 187, 100
RGB Percent	21%, 73%, 39%
CMY	0.7921, 0.2667, 0.6078
CMYK	0.72, 0.00, 0.47, 0.27
HSL	141°, 56%, 47%
HSV	141°, 72%, 73%
XYZ	21.5388, 37.2176, 18.1051
YIQ	137.0160, -51.9370, -55.4650

Conversions

Conversions Part 2

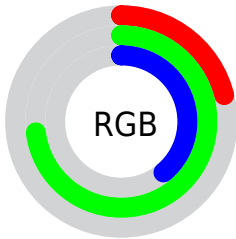
Format	Color
RYB	53, 152, 187
Decimal	3521380
CIELab	67.44, -54.82, 33.88
CIELCh	67, 64.446, 148.281
Yxy	37.2176, 0.2802, 0.4842
Android (android.graphics.Color)	4281711460 (0xFF35BB64)
YUV	137.0160, -18.2489, -73.6820
Hunter-Lab	61.0062, -43.7399, 25.1086

Details

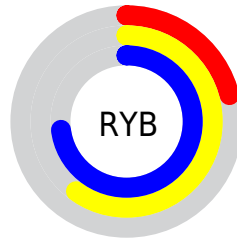
The XYZ color **21.5388, 37.2176, 18.1051** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **26.5015, 15.0053, 26.3120**, and the grayscale version is **23.8657, 25.1086, 27.3433**.

A 20% lighter version of the original color is **45.3543, 70.7503, 40.9715**, and **8.8488, 16.7415, 5.8970** is the 20% darker color. If you saturate the color by 10%, you get **20.1964, 36.5895, 15.2004**, and if you desaturate by 10%, it is **23.3541, 38.0814, 21.4908**.

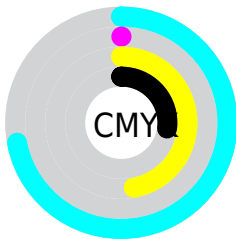
Distribution



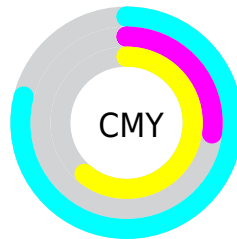
- Red (21%)
- Green (73%)
- Blue (39%)



- Red (21%)
- Yellow (60%)
- Blue (73%)



- Cyan (72%)
- Magenta (0%)
- Yellow (47%)
- Black (27%)





- Cyan (79%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5388, 37.2176, 18.1051 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 21.5388, 37.2176, 18.1051 by changing the saturation by 10% instead.


 21.5388, 37.2176,
18.1051


 21.5388, 37.2176,
18.1051


252.8061,
334.2517, 253.7188


 13.6331, 25.3760,
10.8552


 45.4671, 70.9073,
41.0327


 7.9459, 16.3574,
5.8566

 62.2204, 93.5243,
57.5475


 4.1119, 9.7774,
2.6907


 82.6536, 120.5018,
77.9877

 1.7656, 5.2516,
0.9388

 107.1322,
152.2242, 102.7719

 0.4968, 2.3957,
0.0000

 136.0213,
189.0761, 132.3185

 0.0000, 0.8236,
0.0000

169.6864,

 0.0000, 0.0000,

231.4416, 167.0462

0.0000

208.4929,
279.7054, 207.3734

■ 21.5388, 37.2176,
18.1051

■ 21.5388, 37.2176,
18.1051

■ 20.1964, 36.5895,
15.2004

■ 23.3541, 38.0814,
21.4908

■ 19.2727, 36.1666,
12.7516

■ 25.6830, 39.1984,
25.3759

■ 18.7423, 35.9305,
11.0385

■ 28.5648, 40.5895,
29.7808

■ 32.0341, 42.2722,
34.7242

■ 36.1224, 44.2623,
40.2236

■ 40.8591, 46.5747,
46.2957

■ 46.2716, 49.2231,
52.9567

■ 52.3857, 52.2206,
60.2220

■ 59.2257, 55.5793,
68.1064

Harmonies

Analogous

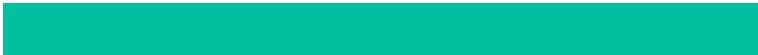
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.1078, 37.2176, 8.9960



21.5388, 37.2176, 18.1051



19.5679, 37.2176, 38.9118

Triad

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



21.5388, 37.2176, 18.1051



34.8068, 37.2176, 122.9725



54.9019, 37.2176, 19.8097

Complementary

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



21.5388, 37.2176, 18.1051



26.5015, 15.0053, 26.3120

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.



57.9893, 37.2176, 42.1794



21.5388, 37.2176, 18.1051



45.1705, 37.2176, 109.8915

Square

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



21.5388, 37.2176, 18.1051



26.2888, 37.2176, 106.7451



54.1408, 37.2176, 76.4296



46.3434, 37.2176, 9.6084

Rectangle

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



21.5388, 37.2176, 18.1051



20.2159, 37.2176, 60.1196



54.1408, 37.2176, 76.4296



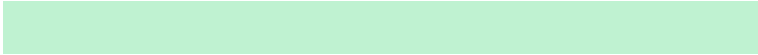
56.6769, 37.2176, 25.7287

Sweetspot

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



21.5397, 37.2191, 18.1059



64.9435, 79.3929, 72.3663



29.2463, 41.3835, 9.8149



13.8272, 17.2524, 15.3106



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.



21.5397, 37.2191, 18.1059



35.1366, 65.0531, 24.6108



26.2055, 39.0854, 42.6754



9.5433, 10.7034, 10.8443



12.9444, 24.7680, 7.7700



0.5385, 0.9828, 0.4699

Inverse Universe

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



26.5015, 15.0053, 26.3120



44.4516, 22.9320, 39.7075



22.9736, 13.5941, 7.7344



9.7840, 9.6379, 11.2514



16.5508, 8.2515, 13.4599



0.6782, 0.3352, 0.6846

Previews

White Background



This preview shows how the XYZ color 21.5388, 37.2176, 18.1051 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 21.5388, 37.2176, 18.1051 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 21.5388, 37.2176, 18.1051

Background



This preview shows how black text looks on a background with the XYZ color 21.5388, 37.2176, 18.1051.



This preview shows how white text looks on a background with the XYZ color 21.5388, 37.2176,

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

21.5388, 37.2176, 18.1051

Protanopia

33.5759, 36.5334, 15.1795

Deuteranopia

37.3602, 36.5954, 19.2819



Tritanopia

28.9639, 37.1843, 54.9409

Trichromacy



Original Color

21.5388, 37.2176, 18.1051

Protanomaly

26.4458, 35.2997, 16.0094

Deuteranomaly

27.8701, 34.5866, 18.5716

Tritanomaly

25.5195, 36.9722, 38.1391

Monochromacy



Original Color

21.5388, 37.2176, 18.1051

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.3033, 27.9621, 23.3432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5388, 37.2176, 18.1051 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(53, 187, 100)` looks like.

```
.text, #text, p{  
    color:rgb(53, 187, 100)  
}
```

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(53, 187, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 187, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.5388, 37.2176, 18.1051 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(53, 187, 100) }
```


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

```
.border{ border-color:rgb(53, 187, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 187, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 187, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 187, 100);  
box-shadow:4px 4px 4px 4px rgb(53, 187,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5388, 37.2176, 18.1051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 187, 100) }
```

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

```
.background{ background-color: rgb(53, 187,  
100) }
```

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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