

Converting Colors

XYZ(21.1771, 35.7660, 18.8841)

Have a look what the booklet for
XYZ(21.1771, 35.7660, 18.8841)
contains.

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Color

**XYZ(21.1771, 35.7660,
18.8841)**

Conversions

Conversions Part 1

Format	Color
Hex	3AB768
RGB	58, 183, 104
RGB Percent	23%, 72%, 41%
CMY	0.7725, 0.2823, 0.5921
CMYK	0.68, 0.00, 0.43, 0.28
HSL	142°, 52%, 47%
HSV	142°, 68%, 72%
XYZ	21.1771, 35.7660, 18.8841
YIQ	136.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

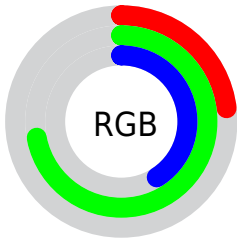
Format	Color
RYB	58, 149, 183
Decimal	3848040
CIELab	66.34, -51.80, 30.43
CIELCh	66, 60.077, 149.565
Yxy	35.7660, 0.2793, 0.4717
Android (android.graphics.Color)	4282038120 (0xFF3AB768)
YUV	136.6190, -16.0812, -68.9489
Hunter-Lab	59.8047, -41.4506, 23.1417

Details

The XYZ color **21.1771, 35.7660, 18.8841** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.5579, 14.9002, 25.1970**, and the grayscale version is **23.7069, 24.9415, 27.1612**.

A 20% lighter version of the original color is **44.9066, 68.7135, 42.3487**, and **8.5398, 15.9763, 6.2481** is the 20% darker color. If you saturate the color by 10%, you get **19.7486, 35.0939, 15.9585**, and if you desaturate by 10%, it is **23.0660, 36.6682, 22.2535**.

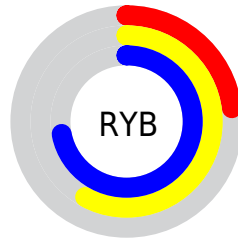
Distribution



Red (23%)

Green (72%)

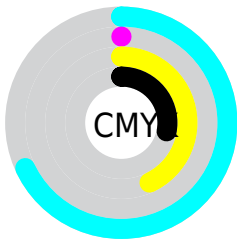
Blue (41%)



Red (23%)

Yellow (58%)

Blue (72%)

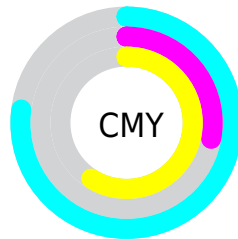


Cyan (68%)

Magenta (0%)

Yellow (43%)

Black (28%)



Cyan (77%)

Magenta (28%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1771, 35.7660, 18.8841 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 21.1771, 35.7660, 18.8841 by changing the saturation by 10% instead.

■ 21.1771, 35.7660,
18.8841

■ 21.1771, 35.7660,
18.8841

250.9321,
327.9366, 258.2095

■ 13.3667, 24.2535,
11.4106

■ 44.8711, 68.6707,
42.3723

■ 7.7603, 15.5218,
6.2261

■ 61.4855, 90.8318,
59.2240

■ 3.9925, 9.1864,
2.9120

■ 81.7653, 117.3112,
80.0389

■ 1.6979, 4.8630,
1.0499

■ 106.0758,
148.4933, 105.2354

■ 0.4549, 2.1671,
0.0000

■ 134.7823,
184.7625, 135.2323

■ 0.0000, 0.7020,
0.0000

168.2504,

■ 0.0000, 0.0000,

226.5031, 170.4479

0.0000

206.8452,
274.0997, 211.3008

■ 21.1771, 35.7660,
18.8841

■ 21.1771, 35.7660,
18.8841

■ 19.7486, 35.0939,
15.9585

■ 23.0660, 36.6682,
22.2535

■ 18.7324, 34.6243,
13.4550

■ 25.4518, 37.8158,
26.0822

■ 18.0566, 34.3218,
11.3530

■ 28.3700, 39.2279,
30.3877

■ 17.9577, 34.2777,
11.0344

■ 31.8522, 40.9204,
35.1861

■ 35.9273, 42.9080,
40.4924

■ 40.6222, 45.2042,
46.3213

■ 45.9622, 47.8217,
52.6865

■ 51.9712, 50.7726,
59.6017

■ 58.6716, 54.0682,
67.0795

Harmonies

Analogous

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



26.1685, 35.7660, 9.8271



21.1771, 35.7660, 18.8841



19.4893, 35.7660, 38.5690

Triad

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



21.1771, 35.7660, 18.8841



33.8636, 35.7660, 112.2517



51.3287, 35.7660, 19.2882

Complementary

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



21.1771, 35.7660, 18.8841



25.5579, 14.9002, 25.1970

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.



54.3434, 35.7660, 39.3196



21.1771, 35.7660, 18.8841



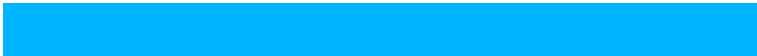
43.2433, 35.7660, 99.7149

Square

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



21.1771, 35.7660, 18.8841



25.9783, 35.7660, 99.0141



51.1564, 35.7660, 69.7390



43.5103, 35.7660, 9.9778

Rectangle

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



21.1771, 35.7660, 18.8841



20.1850, 35.7660, 57.9561



51.1564, 35.7660, 69.7390



52.9928, 35.7660, 24.6225

Sweetspot

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



21.1780, 35.7675, 18.8849



62.7768, 76.0799, 70.5194



28.0423, 39.5065, 10.1508



13.4033, 16.5782, 14.9785



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.



21.1780, 35.7675, 18.8849



34.3623, 62.3827, 26.2240



25.5930, 37.5335, 42.1342



9.0233, 10.1133, 10.2802



12.5577, 23.9240, 7.8586



0.4730, 0.8555, 0.4366

Inverse Universe

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



25.5579, 14.9002, 25.1970



42.6729, 22.4735, 37.9672



22.3011, 13.5975, 8.0465



9.2369, 9.1051, 10.5950



15.8425, 7.9108, 12.3236



0.5872, 0.2904, 0.5858

Previews

White Background



This preview shows how the XYZ color 21.1771, 35.7660, 18.8841 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 21.1771, 35.7660, 18.8841 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 21.1771, 35.7660, 18.8841

Background



This preview shows how black text looks on a background with the XYZ color 21.1771, 35.7660, 18.8841.



This preview shows how white text looks on a background with the XYZ color 21.1771, 35.7660,

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

21.1771, 35.7660, 18.8841

Protanopia

32.3156, 35.0818, 15.8947

Deuteranopia

35.7463, 35.0065, 19.9118



Tritanopia

27.7510, 35.4534, 52.3943

Trichromacy



Original Color

21.1771, 35.7660, 18.8841



Protanomaly

25.7230, 33.7926, 16.7222



Deuteranomaly

27.3099, 33.4733, 19.2090



Tritanomaly

24.7884, 35.4151, 37.4276

Monochromacy



Original Color

21.1771, 35.7660, 18.8841



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.4416, 27.7800, 23.6340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1771, 35.7660, 18.8841 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(58, 183, 104)` looks like.

```
.text, #text, p{  
    color:rgb(58, 183, 104)  
}
```

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(58, 183, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 183, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.1771, 35.7660, 18.8841 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(58, 183, 104) }
```


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

```
.border{ border-color:rgb(58, 183, 104) }
```

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

Here you see how a box with a 4 pixel rgb(58, 183, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 183, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 183, 104);  
box-shadow:4px 4px 4px 4px rgb(58, 183,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1771, 35.7660, 18.8841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 183, 104) }
```

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

```
.background{ background-color: rgb(58, 183,  
104) }
```

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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