

Converting Colors

XYZ(21.3718, 35.4853, 8.5192)

Have a look what the booklet for
XYZ(21.3718, 35.4853, 8.5192)
contains.

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Color

**XYZ(21.3718, 35.4853,
8.5192)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB530
RGB	91, 181, 48
RGB Percent	36%, 71%, 19%
CMY	0.6431, 0.2902, 0.8117
CMYK	0.50, 0.00, 0.73, 0.29
HSL	101°, 58%, 45%
HSV	101°, 73%, 71%
XYZ	21.3718, 35.4853, 8.5192
YIQ	138.9280, -10.9470, -60.4430

Conversions

Conversions Part 2

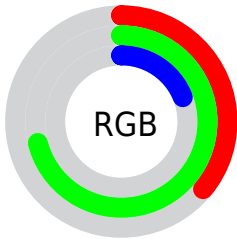
Format	Color
RYB	48, 181, 138
Decimal	6010160
CIELab	66.12, -49.94, 56.05
CIELCh	66, 75.074, 131.700
Yxy	35.4853, 0.3269, 0.5428
Android (android.graphics.Color)	4284200240 (0xFF5BB530)
YUV	138.9280, -44.8275, -42.0329
Hunter-Lab	59.5695, -40.2061, 33.2195

Details

The XYZ color **21.3718, 35.4853, 8.5192** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.8805, 10.8545, 44.7653**, and the grayscale version is **24.6840, 25.9695, 28.2808**.

A 20% lighter version of the original color is **45.2355, 68.4242, 23.6550**, and **7.9903, 15.3854, 2.5486** is the 20% darker color. If you saturate the color by 10%, you get **19.9616, 34.7941, 6.8857**, and if you desaturate by 10%, it is **23.1332, 36.3421, 10.9660**.

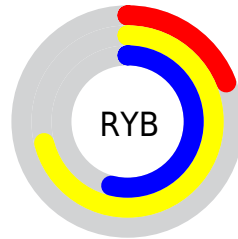
Distribution



Red (36%)

Green (71%)

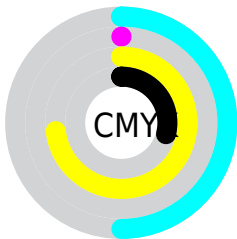
Blue (19%)



Red (19%)

Yellow (71%)

Blue (54%)

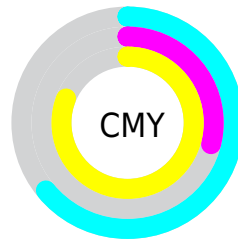


Cyan (50%)

Magenta (0%)

Yellow (73%)

Black (29%)



Cyan (64%)


Magenta (29%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3718, 35.4853, 8.5192 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 21.3718, 35.4853, 8.5192 by changing the saturation by 10% instead.


 21.3718, 35.4853,
8.5192


 21.3718, 35.4853,
8.5192


251.9423,
326.7053, 189.8336


 13.5101, 24.0369,
4.3364


 45.1921, 68.2369,
23.5329

 7.8601, 15.3610,
1.8117


 61.8814, 90.3089,
35.2010

 4.0566, 9.0732,
0.4356


 82.2439, 116.6910,
50.2012

 1.7342, 4.7889,
0.0000

 106.6450,
147.7674, 68.9521

 0.4775, 2.1240,
0.0000

 135.4501,
183.9227, 91.8722

 0.0000, 0.6780,
0.0000

 169.0244,

 0.0000, 0.0000,

225.5412, 119.3802

0.0000

207.7334,
273.0072, 151.8944

■ 21.3718, 35.4853,
8.5192

■ 21.3718, 35.4853,
8.5192

■ 19.9616, 34.7941,
6.8857

■ 23.1332, 36.3421,
10.9660

■ 18.8706, 34.2511,
5.9581

■ 25.2688, 37.3712,
14.3113

■ 18.2996, 33.9643,
5.5913

■ 27.8022, 38.5842,
18.6322

■ 30.7540, 39.9902,
23.9967

■ 34.1436, 41.5979,
30.4670

■ 37.9888, 43.4153,
38.1003

■ 42.3066, 45.4498,
46.9496

■ 47.1129, 47.7086,
57.0651

■ 52.4230, 50.1986,
68.4937

Harmonies

Analogous

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



29.5606, 35.4853, 4.2947



21.3718, 35.4853, 8.5192



17.1810, 35.4853, 22.3746

Triad

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



21.3718, 35.4853, 8.5192



27.4284, 35.4853, 131.2870



59.4069, 35.4853, 27.4668

Complementary

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



21.3718, 35.4853, 8.5192



19.8805, 10.8545, 44.7653

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.



58.4792, 35.4853, 61.3255



21.3718, 35.4853, 8.5192



38.2691, 35.4853, 135.4698

Square

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



21.3718, 35.4853, 8.5192



20.1087, 35.4853, 95.6355



50.1116, 35.4853, 105.0858



52.4209, 35.4853, 10.4788

Rectangle

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



21.3718, 35.4853, 8.5192



16.5039, 35.4853, 40.4894



50.1116, 35.4853, 105.0858



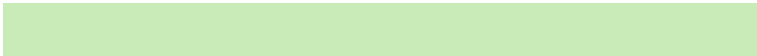
60.0457, 35.4853, 36.8429

Sweetspot

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



21.3726, 35.4868, 8.5200



61.8721, 74.8407, 55.9779



28.4894, 27.8354, 6.6680



13.0023, 16.0003, 11.3775



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.3726, 35.4868, 8.5200



34.5135, 61.6996, 11.1983



18.8546, 34.1221, 11.4152



8.6391, 9.6190, 9.0539



12.6802, 23.4470, 3.8574



0.4616, 0.7700, 0.1243

Inverse Universe

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



19.8805, 10.8545, 44.7653



31.4750, 15.1222, 79.5546



26.3579, 14.4360, 34.1240



8.5776, 8.5063, 10.6961



11.4052, 5.2154, 30.5425



0.4167, 0.1939, 0.9637

Previews

White Background



This preview shows how the XYZ color 21.3718, 35.4853, 8.5192 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 21.3718, 35.4853, 8.5192 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 21.3718, 35.4853, 8.5192

Background



This preview shows how black text looks on a background with the XYZ color 21.3718, 35.4853, 8.5192.



This preview shows how white text looks on a background with the XYZ color 21.3718, 35.4853,

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

21.3718, 35.4853, 8.5192

Protanopia

31.5973, 34.8997, 7.3565

Deuteranopia

35.5708, 34.9144, 9.0020



Tritanopia

29.5709, 35.3307, 49.5169

Trichromacy



Original Color

21.3718, 35.4853, 8.5192



Protanomaly

26.5089, 34.3978, 7.7249



Deuteranomaly

28.2840, 33.9438, 8.6755



Tritanomaly

25.1211, 34.6448, 27.5534

Monochromacy



Original Color

21.3718, 35.4853, 8.5192



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.1832, 28.2894, 17.9269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3718, 35.4853, 8.5192 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(91, 181, 48)` looks like.

```
.text, #text, p{  
    color:rgb(91, 181, 48)  
}
```

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(91, 181, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 181, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.3718, 35.4853, 8.5192 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(91, 181, 48) }
```


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

```
.border{ border-color:rgb(91, 181, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 181, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 181, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 181, 48);  
box-shadow:4px 4px 4px 4px rgb(91, 181,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3718, 35.4853, 8.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 181, 48) }
```

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

```
.background{ background-color: rgb(91, 181,  
48) }
```

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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