

Converting Colors

XYZ(20.4614, 35.1412, 15.5206)

Have a look what the booklet for
XYZ(20.4614, 35.1412, 15.5206)
contains.

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Color

**XYZ(20.4798, 35.1719,
15.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	3CB65B
RGB	60, 182, 91
RGB Percent	24%, 71%, 36%
CMY	0.7647, 0.2863, 0.6431
CMYK	0.67, 0.00, 0.50, 0.29
HSL	135°, 50%, 47%
HSV	135°, 67%, 71%
XYZ	20.4798, 35.1719, 15.6070
YIQ	135.1480, -43.5010, -54.1650

Conversions

Conversions Part 2

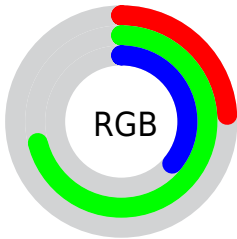
Format	Color
RYB	60, 157, 182
Decimal	3978843
CIELab	65.88, -53.19, 36.51
CIELCh	66, 64.510, 145.534
Yxy	35.1719, 0.2874, 0.4936
Android (android.graphics.Color)	4282168923 (0xFF3CB65B)
YUV	135.1480, -21.7650, -65.9048
Hunter-Lab	59.3059, -42.1448, 25.9113

Details

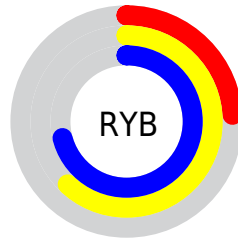
The XYZ color **20.4798, 35.1719, 15.6070** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.4943, 15.4119, 30.8578**, and the grayscale version is **23.1748, 24.3817, 26.5517**.

A 20% lighter version of the original color is **43.7096, 67.7811, 36.7659**, and **8.1371, 15.6055, 4.7738** is the 20% darker color. If you saturate the color by 10%, you get **19.0301, 34.4872, 12.7542**, and if you desaturate by 10%, it is **22.4153, 36.0968, 19.0372**.

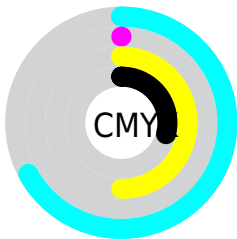
Distribution



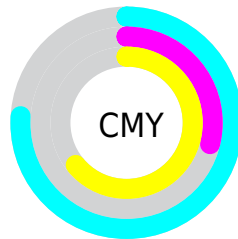
- Red (24%)
- Green (71%)
- Blue (36%)



- Red (24%)
- Yellow (62%)
- Blue (71%)



- Cyan (67%)
- Magenta (0%)
- Yellow (50%)
- Black (29%)





- Cyan (76%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4798, 35.1719, 15.6070 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 20.4798, 35.1719, 15.6070 by changing the saturation by 10% instead.


 20.4798, 35.1719,
15.6070


 20.4798, 35.1719,
15.6070


247.2852,
325.3264, 238.7774


 12.8546, 23.7953,
9.0952

 43.7180, 67.7520,
36.6718

 7.4048, 15.1819,
4.7056


 60.0617, 89.7243,
52.0619


 3.7651, 8.9471,
2.0199


 80.0422, 115.9973,
71.2484

 1.5701, 4.7067,
0.5675

 104.0249,
146.9553, 94.6500

 0.3728, 2.0762,
0.0000

 132.3753,
182.9829, 122.6852

 0.0000, 0.6512,
0.0000

165.4585,

 0.0000, 0.0000,

224.4643, 155.7724

0.0000

203.6400,
271.7841, 194.3303

■ 20.4798, 35.1719,
15.6070

■ 20.4798, 35.1719,
15.6070

■ 19.0301, 34.4872,
12.7542

■ 22.4153, 36.0968,
19.0372

■ 18.0171, 34.0151,
10.4443

■ 24.8742, 37.2776,
23.0718

■ 17.3779, 33.7248,
8.6425

■ 27.8931, 38.7338,
27.7391

■ 17.2266, 33.6565,
8.1988

■ 31.5049, 40.4816,
33.0648

■ 35.7395, 42.5360,
39.0733

■ 40.6250, 44.9110,
45.7875

■ 46.1876, 47.6197,
53.2294

■ 52.4522, 50.6744,
61.4201

■ 59.4423, 54.0868,
70.3797

Harmonies

Analogous

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



26.1346, 35.1719, 7.7728



20.4798, 35.1719, 15.6070



18.2825, 35.1719, 34.3519

Triad

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



20.4798, 35.1719, 15.6070



32.0226, 35.1719, 118.0995



52.8483, 35.1719, 19.8317

Complementary

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



20.4798, 35.1719, 15.6070



26.4943, 15.4119, 30.8578

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.



55.2376, 35.1719, 42.5315



20.4798, 35.1719, 15.6070



41.9701, 35.1719, 107.8835

Square

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



20.4798, 35.1719, 15.6070



24.0921, 35.1719, 99.9329



50.9348, 35.1719, 76.3512



44.9137, 35.1719, 9.2719

Rectangle

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



20.4798, 35.1719, 15.6070



18.6962, 35.1719, 54.1463



50.9348, 35.1719, 76.3512



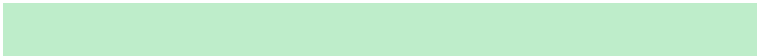
54.3839, 35.1719, 25.8871

Sweetspot

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



20.4807, 35.1733, 15.6078



62.1266, 75.8199, 67.0959



30.4004, 40.4111, 10.4731



13.2446, 16.5147, 14.1429



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.



20.4807, 35.1733, 15.6078



33.6145, 62.1077, 21.1954



24.2191, 36.6687, 35.2941



8.9815, 10.0966, 10.0599



12.1881, 23.7762, 5.9123



0.4555, 0.8485, 0.3444

Inverse Universe

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



26.4943, 15.4119, 30.8578



45.1880, 23.7696, 50.3176



22.7751, 13.9242, 11.2726



9.2808, 9.1227, 10.8261



16.7772, 8.2846, 17.2454



0.6149, 0.3014, 0.7315

Previews

White Background



This preview shows how the XYZ color 20.4798, 35.1719, 15.6070 looks on a white background.

Color Contrast Check

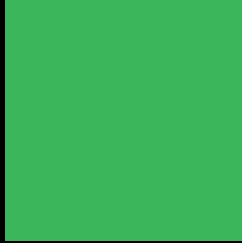
Large Text (above 18pt) WCAG AA × Fail

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 20.4798, 35.1719, 15.6070 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

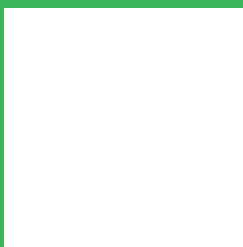
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4798, 35.1719, 15.6070

Background



This preview shows how black text looks on a background with the XYZ color 20.4798, 35.1719, 15.6070.



This preview shows how white text looks on a background with the XYZ color 20.4798, 35.1719,

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

20.4798, 35.1719, 15.6070

Protanopia

31.6387, 34.5348, 13.1820

Deuteranopia

35.2186, 34.5638, 16.6196



Tritanopia

27.6293, 35.1317, 51.2238

Trichromacy



Original Color

20.4798, 35.1719, 15.6070



Protanomaly

25.1713, 33.2959, 13.9042



Deuteranomaly

26.7101, 32.9682, 16.0221



Tritanomaly

24.2531, 34.9047, 34.7372

Monochromacy



Original Color

20.4798, 35.1719, 15.6070



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.7424, 26.9765, 21.5665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4798, 35.1719, 15.6070 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(60, 182, 91)` looks like.

```
.text, #text, p{  
    color:rgb(60, 182, 91)  
}
```

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(60, 182, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 182, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.4798, 35.1719, 15.6070 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(60, 182, 91) }
```


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

```
.border{ border-color:rgb(60, 182, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 182, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 182, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 182, 91);  
box-shadow:4px 4px 4px 4px rgb(60, 182,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4798, 35.1719, 15.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 182, 91) }
```

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

```
.background{ background-color: rgb(60, 182,  
91) }
```

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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