

Converting Colors

XYZ(20.5358, 33.9669, 16.0503)

Have a look what the booklet for
XYZ(20.5358, 33.9669, 16.0503)
contains.

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Color

**XYZ(20.5393, 33.9885,
16.0676)**

Conversions

Conversions Part 1

Format	Color
Hex	47B25E
RGB	71, 178, 94
RGB Percent	28%, 70%, 37%
CMY	0.7216, 0.3019, 0.6314
CMYK	0.60, 0.00, 0.47, 0.30
HSL	133°, 43%, 49%
HSV	133°, 60%, 70%
XYZ	20.5393, 33.9885, 16.0676
YIQ	136.4310, -36.8080, -48.8080

Conversions

Conversions Part 2

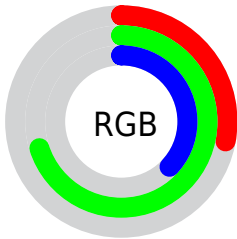
Format	Color
RYB	71, 159, 178
Decimal	4698718
CIELab	64.95, -48.89, 33.89
CIELCh	65, 59.488, 145.275
Yxy	33.9885, 0.2909, 0.4815
Android (android.graphics.Color)	4282888798 (0xFF47B25E)
YUV	136.4310, -20.9185, -57.3830
Hunter-Lab	58.2997, -39.1378, 24.4692

Details

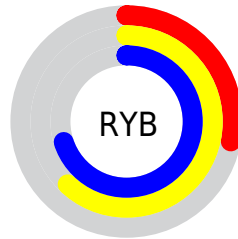
The XYZ color **20.5393, 33.9885, 16.0676** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.5307, 16.3386, 32.7666**, and the grayscale version is **23.6502, 24.8819, 27.0964**.

A 20% lighter version of the original color is **43.9499, 66.1591, 37.6477**, and **7.6813, 14.6048, 4.8968** is the 20% darker color. If you saturate the color by 10%, you get **18.8488, 33.1840, 13.0066**, and if you desaturate by 10%, it is **22.7274, 35.0383, 19.7460**.

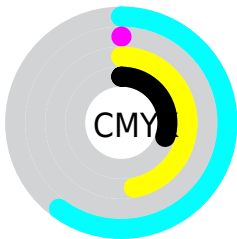
Distribution



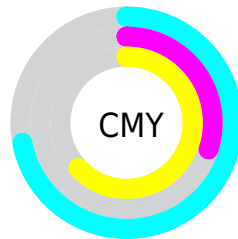
- Red (28%)
- Green (70%)
- Blue (37%)



- Red (28%)
- Yellow (62%)
- Blue (70%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)





- Cyan (72%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5393, 33.9885, 16.0676 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 20.5393, 33.9885, 16.0676 by changing the saturation by 10% instead.


 20.5393, 33.9885,
16.0676


 20.5393, 33.9885,
16.0676


247.5982,
320.0808, 241.5996


 12.8982, 22.8848,
9.4171


 43.8166, 65.9158,
37.4839


 7.4350, 14.5084,
4.9137


 60.1835, 87.5081,
53.0869


 3.7843, 8.4751,
2.1389


 80.1898, 113.3655,
72.5111

 1.5809, 4.4005,
0.6388

 104.2007,
143.8722, 96.1751

 0.3799, 1.9000,
0.0000

 132.5816,
179.4127, 124.4974

 0.0000, 0.5484,
0.0000

165.6980,

 0.0000, 0.0000,

220.3713, 157.8965

0.0000

203.9150,
267.1326, 196.7911

■ 20.5393, 33.9885,
16.0676

■ 20.5393, 33.9885,
16.0676

■ 18.8488, 33.1840,
13.0066

■ 22.7274, 35.0383,
19.7460

■ 17.6128, 32.6004,
10.5269

■ 25.4465, 36.3472,
24.0708

■ 16.7847, 32.2155,
8.5919

■ 28.7300, 37.9326,
29.0718

■ 16.2752, 31.9837,
7.1718

■ 32.6080, 39.8095,
34.7766

■ 37.1081, 41.9917,
41.2109

■ 42.2564, 44.4920,
48.3992

■ 48.0775, 47.3225,
56.3650

■ 54.5945, 50.4949,
65.1305

■ 61.8295, 54.0200,
74.7174

Harmonies

Analogous

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



25.7517, 33.9885, 8.5913



20.5393, 33.9885, 16.0676



18.4781, 33.9885, 33.2451

Triad

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



20.5393, 33.9885, 16.0676



30.9630, 33.9885, 107.0325



49.6674, 33.9885, 20.2578

Complementary

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



20.5393, 33.9885, 16.0676



26.5307, 16.3386, 32.7666

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.



51.7274, 33.9885, 41.0440



20.5393, 33.9885, 16.0676



39.8854, 33.9885, 98.4064

Square

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



20.5393, 33.9885, 16.0676



23.7777, 33.9885, 91.1130



47.8763, 33.9885, 71.0361



42.6604, 33.9885, 10.1493

Rectangle

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



20.5393, 33.9885, 16.0676



18.8440, 33.9885, 50.9260



47.8763, 33.9885, 71.0361



51.0087, 33.9885, 25.8889

Sweetspot

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



20.5401, 33.9899, 16.0684



60.5151, 72.8603, 65.0650



30.8857, 39.4252, 11.9434



12.9191, 15.9058, 13.7086



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.



20.5401, 33.9899, 16.0684



33.3925, 59.8017, 22.0663



23.7004, 35.2540, 32.7100



8.4613, 9.5190, 9.4227



11.6642, 22.8916, 5.2345



0.3884, 0.7288, 0.2776

Inverse Universe

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



26.5307, 16.3386, 32.7666



45.1630, 24.9335, 54.7377



23.0675, 14.9533, 14.5293



8.7703, 8.6148, 10.2886



16.5338, 8.1311, 18.5027



0.5398, 0.2637, 0.6851

Previews

White Background



This preview shows how the XYZ color 20.5393, 33.9885, 16.0676 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 20.5393, 33.9885, 16.0676 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 20.5393, 33.9885, 16.0676

Background



This preview shows how black text looks on a background with the XYZ color 20.5393, 33.9885, 16.0676.



This preview shows how white text looks on a background with the XYZ color 20.5393, 33.9885,

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

20.5393, 33.9885, 16.0676

Protanopia

30.7499, 33.5565, 13.6605

Deuteranopia

33.9943, 33.4436, 16.9755



Tritanopia

27.1654, 33.8156, 49.3513

Trichromacy



Original Color

20.5393, 33.9885, 16.0676



Protanomaly

25.2500, 32.7824, 14.4480



Deuteranomaly

26.4525, 32.0432, 16.3460



Tritanomaly

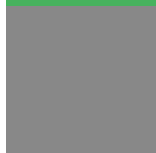
24.0953, 33.6855, 34.0862

Monochromacy



Original Color

20.5393, 33.9885, 16.0676



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.1999, 26.9584, 22.1753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5393, 33.9885, 16.0676 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(71, 178, 94)` looks like.

```
.text, #text, p{  
    color:rgb(71, 178, 94)  
}
```

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(71, 178, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 178, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.5393, 33.9885, 16.0676 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(71, 178, 94) }
```


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

```
.border{ border-color:rgb(71, 178, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 178, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 178, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 178, 94);  
box-shadow:4px 4px 4px 4px rgb(71, 178,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5393, 33.9885, 16.0676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 178, 94) }
```

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

```
.background{ background-color: rgb(71, 178,  
94) }
```

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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