

Converting Colors

XYZ(20.5287, 33.3441, 18.3369)

Have a look what the booklet for
XYZ(20.5287, 33.3441, 18.3369)
contains.

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Color

**XYZ(20.5498, 33.3522,
18.4512)**

Conversions

Conversions Part 1

Format	Color
Hex	46B068
RGB	70, 176, 104
RGB Percent	27%, 69%, 41%
CMY	0.7255, 0.3098, 0.5921
CMYK	0.60, 0.00, 0.41, 0.31
HSL	139°, 43%, 48%
HSV	139°, 60%, 69%
XYZ	20.5498, 33.3522, 18.4512
YIQ	136.0980, -40.0640, -44.8640

Conversions

Conversions Part 2

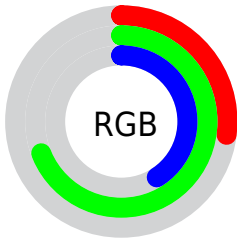
Format	Color
RYB	70, 150, 176
Decimal	4632680
CIELab	64.45, -46.65, 28.02
CIELCh	64, 54.420, 149.007
Yxy	33.3522, 0.2840, 0.4610
Android (android.graphics.Color)	4282822760 (0xFF46B068)
YUV	136.0980, -15.8243, -57.9679
Hunter-Lab	57.7514, -37.5488, 21.4832

Details

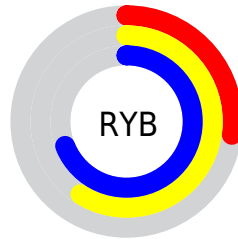
The XYZ color **20.5498, 33.3522, 18.4512** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.9782, 15.5641, 27.2800**, and the grayscale version is **23.5074, 24.7316, 26.9327**.

A 20% lighter version of the original color is **43.7594, 64.7027, 41.6350**, and **7.6733, 14.2046, 6.0787** is the 20% darker color. If you saturate the color by 10%, you get **18.8967, 32.5662, 15.4259**, and if you desaturate by 10%, it is **22.6628, 34.3672, 21.9489**.

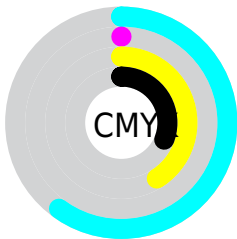
Distribution



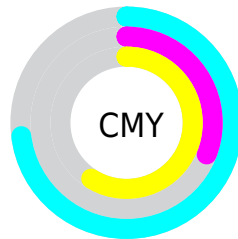
- Red (27%)
- Green (69%)
- Blue (41%)



- Red (27%)
- Yellow (59%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (31%)



- Cyan (73%)
- Magenta (31%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5498, 33.3522, 18.4512 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 20.5498, 33.3522, 18.4512 by changing the saturation by 10% instead.

■ 20.5498, 33.3522,
18.4512

■ 20.5498, 33.3522,
18.4512

247.6534,
317.2338, 255.7231

■ 12.9059, 22.3964,
11.1016

■ 43.8340, 64.9250,
41.6289

■ 7.4403, 14.1485,
6.0202

■ 60.2050, 86.3108,
58.2942

■ 3.7877, 8.2240,
2.7884

■ 80.2158, 111.9420,
78.9018

■ 1.5828, 4.2386,
0.9876

■ 104.2317,
142.2031, 103.8702

■ 0.3811, 1.8079,
0.0000

■ 132.6180,
177.4784, 133.6179

■ 0.0000, 0.4921,
0.0000

165.7402,

■ 0.0000, 0.0000,

218.1524, 168.5637

0.0000

203.9635,
264.6094, 209.1259

■ 20.5498, 33.3522,
18.4512

■ 20.5498, 33.3522,
18.4512

■ 18.8967, 32.5662,
15.4259

■ 22.6628, 34.3672,
21.9489

■ 17.6637, 31.9863,
12.8502

■ 25.2659, 35.6236,
25.9361

■ 16.8083, 31.5920,
10.7028

■ 28.3899, 37.1378,
30.4315

■ 16.2509, 31.3419,
8.9929

■ 32.0621, 38.9236,
35.4525

■ 36.3078, 40.9936,
41.0153

■ 41.1509, 43.3598,
47.1357

■ 46.6137, 46.0335,
53.8286

■ 52.7174, 49.0253,
61.1086

■ 59.4822, 52.3453,
68.9896

Harmonies

Analogous

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



24.9995, 33.3522, 10.2918



20.5498, 33.3522, 18.4512



18.9962, 33.3522, 35.5789

Triad

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



20.5498, 33.3522, 18.4512



31.4422, 33.3522, 98.0136



46.6273, 33.3522, 19.2805

Complementary

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



20.5498, 33.3522, 18.4512



24.9782, 15.5641, 27.2800

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.



49.0879, 33.3522, 37.0609



20.5498, 33.3522, 18.4512



39.5027, 33.3522, 87.9941

Square

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



20.5498, 33.3522, 18.4512



24.6189, 33.3522, 86.6641



46.2934, 33.3522, 63.0730



40.0239, 33.3522, 10.6149

Rectangle

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



20.5498, 33.3522, 18.4512



19.5789, 33.3522, 52.0910



46.2934, 33.3522, 63.0730



48.0097, 33.3522, 24.0966

Sweetspot

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



20.5506, 33.3536, 18.4520



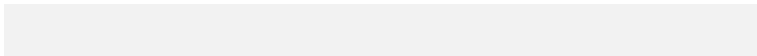
59.5382, 71.2690, 66.1486



27.8618, 37.2835, 11.5226



12.4566, 15.2278, 13.7398



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.5506, 33.3536, 18.4520



33.5154, 58.7050, 26.4750



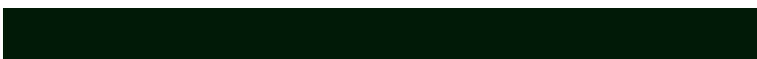
24.1010, 34.7737, 37.1477



8.4976, 9.5335, 9.6139



11.9472, 23.0049, 6.7247



0.4032, 0.7348, 0.3554

Inverse Universe

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



24.9782, 15.5641, 27.2800



42.2069, 23.5909, 43.6626



21.9170, 14.3396, 11.1600



8.7317, 8.5994, 10.0858



15.6317, 7.7703, 13.7527



0.5170, 0.2546, 0.5655

Previews

White Background



This preview shows how the XYZ color 20.5498, 33.3522, 18.4512 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 20.5498, 33.3522, 18.4512 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 20.5498, 33.3522, 18.4512

Background



This preview shows how black text looks on a background with the XYZ color 20.5498, 33.3522, 18.4512.



This preview shows how white text looks on a background with the XYZ color 20.5498, 33.3522,

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

20.5498, 33.3522, 18.4512

Protanopia

30.1949, 32.7222, 15.7909

Deuteranopia

33.3291, 32.8110, 19.3284



Tritanopia

26.4706, 33.2080, 48.1947

Trichromacy



Original Color

20.5498, 33.3522, 18.4512



Protanomaly

25.0222, 32.0818, 16.6780



Deuteranomaly

26.4326, 31.7186, 18.9165



Tritanomaly

23.6984, 32.9013, 34.8073

Monochromacy



Original Color

20.5498, 33.3522, 18.4512



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.3868, 27.0332, 23.1595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5498, 33.3522, 18.4512 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(70, 176, 104)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 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(70, 176, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.5498, 33.3522, 18.4512 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(70, 176, 104) }
```


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

```
.border{ border-color:rgb(70, 176, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 176, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 104);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5498, 33.3522, 18.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 104) }
```

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

```
.background{ background-color: rgb(70, 176,  
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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