

Converting Colors

XYZ(19.6045, 33.3631, 22.5594)

Have a look what the booklet for
XYZ(19.6045, 33.3631, 22.5594)
contains.

XYZ(19.5913, 33.3555, 22.5452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5913, 33.3555,
22.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	19B276
RGB	25, 178, 118
RGB Percent	10%, 70%, 46%
CMY	0.9019, 0.3019, 0.5372
CMYK	0.86, 0.00, 0.34, 0.30
HSL	156°, 75%, 40%
HSV	156°, 86%, 70%
XYZ	19.5913, 33.3555, 22.5452
YIQ	125.4130, -71.9280, -51.0960

Conversions

Conversions Part 2

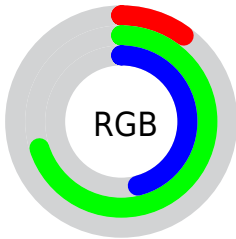
Format	Color
RYB	25, 120, 178
Decimal	1684086
CIELab	64.45, -51.40, 20.38
CIELCh	64, 55.296, 158.371
Yxy	33.3555, 0.2595, 0.4418
Android (android.graphics.Color)	4279874166 (0xFF19B276)
YUV	125.4130, -3.6546, -88.0622
Hunter-Lab	57.7542, -40.5194, 17.2832

Details

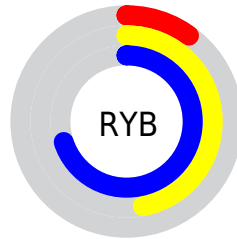
The XYZ color **19.5913, 33.3555, 22.5452** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.3485, 10.8168, 9.6112**, and the grayscale version is **19.6627, 20.6867, 22.5278**.

A 20% lighter version of the original color is **42.2196, 65.0283, 48.3567**, and **8.2818, 14.8450, 8.0591** is the 20% darker color. If you saturate the color by 10%, you get **18.8816, 33.0367, 20.4265**, and if you desaturate by 10%, it is **20.6097, 33.8317, 24.8401**.

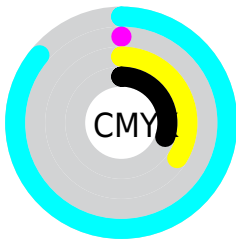
Distribution



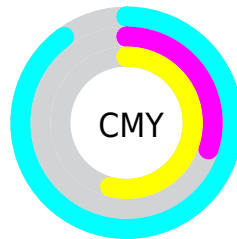
- Red (10%)
- Green (70%)
- Blue (46%)



- Red (10%)
- Yellow (47%)
- Blue (70%)



- Cyan (86%)
- Magenta (0%)
- Yellow (34%)
- Black (30%)



- Cyan (90%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5913, 33.3555, 22.5452 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 19.5913, 33.3555, 22.5452 by changing the saturation by 10% instead.

■ 19.5913, 33.3555,
22.5452

■ 19.5913, 33.3555,
22.5452

■ 242.5699,
317.2486, 278.4262

■ 12.2048, 22.3989,
14.0559

■ 42.2401, 64.9302,
48.5591

■ 6.9565, 14.1503,
8.0204

■ 58.2331, 86.3170,
66.9209

■ 3.4810, 8.2253,
4.0200

■ 77.8258, 111.9494,
89.4105

■ 1.4129, 4.2394,
1.6363

■ 101.3833,
142.2118, 116.4466

■ 0.2654, 1.8084,
0.3166

■ 129.2711,
177.4885, 148.4477

■ 0.0000, 0.4924,
0.0000

■ 161.8546,

■ 0.0000, 0.0000,

218.1639, 185.8323

0.0000

199.4991,
264.6225, 229.0189

■ 19.5913, 33.3555,
22.5452

■ 19.5913, 33.3555,
22.5452

■ 18.8816, 33.0367,
20.4265

■ 20.6097, 33.8317,
24.8401

■ 18.6382, 32.9289,
19.6155

■ 21.9837, 34.4866,
27.3146

■ 23.7524, 35.3414,
29.9744

■ 25.9491, 36.4131,
32.8243

■ 28.6034, 37.7167,
35.8687

■ 31.7419, 39.2662,
39.1118

■ 35.3894, 41.0740,
42.5578

■ 39.5689, 43.1521,
46.2105

■ 44.3019, 45.5114,
50.0737

Harmonies

Analogous

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



23.1899, 33.3555, 11.7988



19.5913, 33.3555, 22.5452



18.9411, 33.3555, 43.0157

Triad

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



19.5913, 33.3555, 22.5452



33.9629, 33.3555, 98.4699



45.1429, 33.3555, 15.4776

Complementary

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



19.5913, 33.3555, 22.5452



20.3485, 10.8168, 9.6112

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.



49.2004, 33.3555, 30.3551



19.5913, 33.3555, 22.5452



42.0807, 33.3555, 82.1261

Square

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



19.5913, 33.3555, 22.5452



26.4351, 33.3555, 93.5085



47.9954, 33.3555, 54.7972



37.6289, 33.3555, 9.0558

Rectangle

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



19.5913, 33.3555, 22.5452



20.1432, 33.3555, 61.1149



47.9954, 33.3555, 54.7972



47.0086, 33.3555, 19.3417

Sweetspot

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



19.5922, 33.3568, 22.5460



57.2550, 71.0533, 70.6228



19.9532, 33.9004, 6.4118



12.2344, 15.5192, 15.1930



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.



19.5922, 33.3568, 22.5460



33.6819, 59.6658, 34.9589



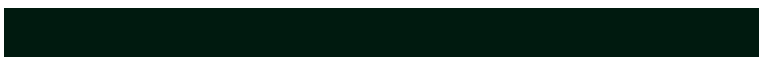
21.4818, 29.5104, 46.6850



8.5986, 9.5740, 10.1461



13.3669, 23.5727, 14.2009



0.4482, 0.7528, 0.5925

Inverse Universe

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



20.3485, 10.8168, 9.6112



35.1834, 17.9196, 11.5028



19.3055, 11.0738, 2.0400



8.6298, 8.5586, 9.5488



13.9525, 7.0986, 4.9101



0.4681, 0.2350, 0.3079

Previews

White Background



This preview shows how the XYZ color 19.5913, 33.3555, 22.5452 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 19.5913, 33.3555, 22.5452 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 19.5913, 33.3555, 22.5452

Background



This preview shows how black text looks on a background with the XYZ color 19.5913, 33.3555, 22.5452.



This preview shows how white text looks on a background with the XYZ color 19.5913, 33.3555,

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

19.5913, 33.3555, 22.5452

Protanopia

30.3645, 32.7409, 18.9066

Deuteranopia

33.2715, 32.6789, 23.9561



Tritanopia

25.2064, 33.3340, 50.4530

Trichromacy



Original Color

19.5913, 33.3555, 22.5452



Protanomaly

23.0921, 31.0091, 20.0975



Deuteranomaly

24.3958, 30.8318, 23.0777



Tritanomaly

22.6041, 33.1033, 38.4559

Monochromacy



Original Color

19.5913, 33.3555, 22.5452



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.6059, 23.4755, 22.0156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5913, 33.3555, 22.5452 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(25, 178, 118)` looks like.

```
.text, #text, p{  
    color:rgb(25, 178, 118)  
}
```

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(25, 178, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 178, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.5913, 33.3555, 22.5452 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(25, 178, 118) }
```


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

```
.border{ border-color:rgb(25, 178, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 178, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 178, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 178, 118);  
box-shadow:4px 4px 4px 4px rgb(25, 178,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5913, 33.3555, 22.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 178, 118) }
```

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

```
.background{ background-color: rgb(25, 178,  
118) }
```

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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