

Converting Colors

XYZ(20.4954, 32.4666, 16.8857)

Have a look what the booklet for
XYZ(20.4954, 32.4666, 16.8857)
contains.

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Color

**XYZ(20.5040, 32.4935,
16.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	50AD63
RGB	80, 173, 99
RGB Percent	31%, 68%, 39%
CMY	0.6863, 0.3216, 0.6118
CMYK	0.54, 0.00, 0.43, 0.32
HSL	132°, 37%, 50%
HSV	132°, 54%, 68%
XYZ	20.5040, 32.4935, 16.9956
YIQ	136.7570, -31.6740, -42.7300

Conversions

Conversions Part 2

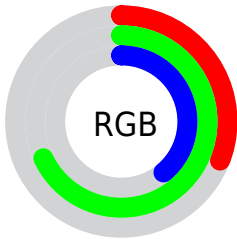
Format	Color
RYB	80, 157, 173
Decimal	5287267
CIELab	63.75, -43.87, 29.81
CIELCh	64, 53.043, 145.802
Yxy	32.4935, 0.2929, 0.4642
Android (android.graphics.Color)	4283477347 (0xFF50AD63)
YUV	136.7570, -18.6142, -49.7759
Hunter-Lab	57.0031, -35.5489, 22.2247

Details

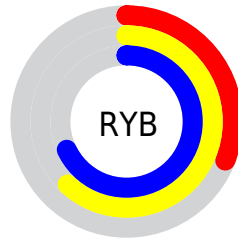
The XYZ color **20.5040, 32.4935, 16.9956** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.9360, 16.9553, 32.4787**, and the grayscale version is **23.7634, 25.0010, 27.2260**.

A 20% lighter version of the original color is **43.7586, 63.5072, 39.2300**, and **7.4656, 13.7501, 5.3925** is the 20% darker color. If you saturate the color by 10%, you get **18.6242, 31.5950, 13.7605**, and if you desaturate by 10%, it is **22.8738, 33.6334, 20.8407**.

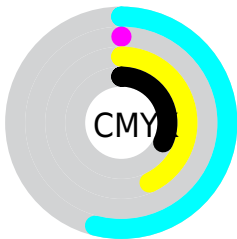
Distribution



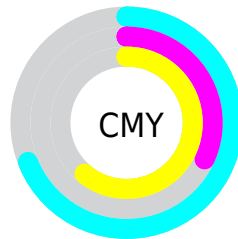
- Red (31%)
- Green (68%)
- Blue (39%)



- Red (31%)
- Yellow (62%)
- Blue (68%)



- Cyan (54%)
- Magenta (0%)
- Yellow (43%)
- Black (32%)



- Cyan (69%)
- Magenta (32%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5040, 32.4935, 16.9956 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 20.5040, 32.4935, 16.9956 by changing the saturation by 10% instead.

■ 20.5040, 32.4935,
16.9956

■ 20.5040, 32.4935,
16.9956

247.4126,
313.3612, 247.1901

■ 12.8723, 21.7387,
10.0694

■ 43.7581, 63.5839,
39.1088

■ 7.4171, 13.6650,
5.3388

■ 60.1112, 84.6884,
55.1328

■ 3.7729, 7.8881,
2.3852

■ 80.1022, 110.0115,
75.0266

■ 1.5745, 4.0234,
0.7784

■ 104.0964,
139.9377, 99.2086

■ 0.3757, 1.6867,
0.0000

■ 132.4592,
174.8514, 128.0975

■ 0.0000, 0.4150,
0.0000

165.5559,

■ 0.0000, 0.0000,

215.1370, 162.1116

0.0000

203.7519,
261.1788, 201.6697

■ 20.5040, 32.4935,
16.9956

■ 20.5040, 32.4935,
16.9956

■ 18.6242, 31.5950,
13.7605

■ 22.8738, 33.6334,
20.8407

■ 17.1966, 30.9164,
11.1018

■ 25.7626, 35.0265,
25.3227

■ 16.1821, 30.4392,
8.9862

■ 29.2004, 36.6884,
30.4694

■ 15.5331, 30.1396,
7.3757

■ 33.2138, 38.6323,
36.3066

■ 15.2527, 30.0118,
6.6061

■ 37.8279, 40.8707,
42.8584

■ 43.0662, 43.4152,
50.1480

■ 48.9509, 46.2769,
58.1973

■ 55.5031, 49.4660,
67.0275

■ 62.7432, 52.9927,
76.6589

Harmonies

Analogous

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



25.0697, 32.4935, 9.8373



20.5040, 32.4935, 16.9956



18.7072, 32.4935, 32.4666

Triad

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



20.5040, 32.4935, 16.9956



29.8494, 32.4935, 93.9416



45.6267, 32.4935, 20.3827

Complementary

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



20.5040, 32.4935, 16.9956



25.9360, 16.9553, 32.4787

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.



47.4497, 32.4935, 38.4625



20.5040, 32.4935, 16.9956



37.5345, 32.4935, 86.5286

Square

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



20.5040, 32.4935, 16.9956



23.5252, 32.4935, 81.2012



44.2826, 32.4935, 63.7439



39.6368, 32.4935, 11.1702

Rectangle

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



20.5040, 32.4935, 16.9956



19.0688, 32.4935, 47.7425



44.2826, 32.4935, 63.7439



46.7844, 32.4935, 25.3600

Sweetspot

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



20.5048, 32.4948, 16.9963



57.5694, 68.2589, 62.2650



29.7955, 37.3773, 13.2338



12.1954, 14.6812, 13.0741



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.5048, 32.4948, 16.9963



32.6745, 56.2591, 23.4194



23.3713, 33.6415, 32.0913



7.9689, 8.9651, 8.8614



11.2222, 22.0541, 4.9437



0.3311, 0.6211, 0.2371

Inverse Universe

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



25.9360, 16.9553, 32.4787



43.4327, 25.3592, 53.9986



22.8046, 15.7028, 15.9890



8.2659, 8.1196, 9.7111



16.0334, 7.8759, 18.3530



0.4635, 0.2261, 0.6027

Previews

White Background



This preview shows how the XYZ color 20.5040, 32.4935, 16.9956 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 20.5040, 32.4935, 16.9956 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 20.5040, 32.4935, 16.9956

Background



This preview shows how black text looks on a background with the XYZ color 20.5040, 32.4935, 16.9956.



This preview shows how white text looks on a background with the XYZ color 20.5040, 32.4935,

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

20.5040, 32.4935, 16.9956

Protanopia

29.4714, 31.8800, 14.7254

Deuteranopia

32.5120, 31.9546, 17.8189



Tritanopia

26.3569, 32.3779, 46.4554

Trichromacy



Original Color

20.5040, 32.4935, 16.9956



Protanomaly

24.7897, 31.2021, 15.5425



Deuteranomaly

26.1907, 30.8672, 17.4095



Tritanomaly

23.6572, 32.0827, 33.3795

Monochromacy



Original Color

20.5040, 32.4935, 16.9956



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.6840, 26.9558, 22.7990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5040, 32.4935, 16.9956 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(80, 173, 99)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 99)  
}
```

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(80, 173, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.5040, 32.4935, 16.9956 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(80, 173, 99) }
```


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

```
.border{ border-color:rgb(80, 173, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 99);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5040, 32.4935, 16.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 99) }
```

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

```
.background{ background-color: rgb(80, 173,  
99) }
```

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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