

Converting Colors

XYZ(20.1377, 30.1956, 19.8590)

Have a look what the booklet for
XYZ(20.1377, 30.1956, 19.8590)
contains.

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Color

**XYZ(20.1616, 30.3050,
19.8257)**

Conversions

Conversions Part 1

Format	Color
Hex	54A66F
RGB	84, 166, 111
RGB Percent	33%, 65%, 44%
CMY	0.6706, 0.3490, 0.5647
CMYK	0.49, 0.00, 0.33, 0.35
HSL	140°, 33%, 49%
HSV	140°, 49%, 65%
XYZ	20.1616, 30.3050, 19.8257
YIQ	135.2120, -31.2170, -34.4890

Conversions

Conversions Part 2

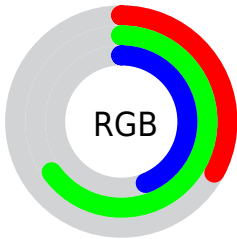
Format	Color
RYB	84, 146, 166
Decimal	5547631
CIELab	61.92, -37.65, 20.98
CIELCh	62, 43.104, 150.873
Yxy	30.3050, 0.2868, 0.4311
Android (android.graphics.Color)	4283737711 (0xFF54A66F)
YUV	135.2120, -11.9365, -44.9129
Hunter-Lab	55.0500, -30.9633, 17.1823

Details

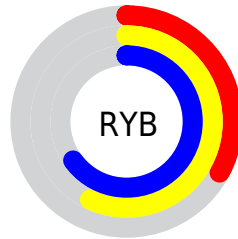
The XYZ color **20.1616, 30.3050, 19.8257** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.5574, 16.3123, 26.3341**, and the grayscale version is **23.1597, 24.3658, 26.5344**.

A 20% lighter version of the original color is **43.2134, 60.2902, 44.0099**, and **7.2283, 12.3887, 6.7129** is the 20% darker color. If you saturate the color by 10%, you get **18.2729, 29.3987, 16.7343**, and if you desaturate by 10%, it is **22.4804, 31.4259, 23.3375**.

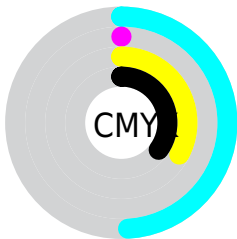
Distribution



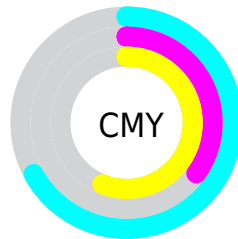
- Red (33%)
- Green (65%)
- Blue (44%)



- Red (33%)
- Yellow (57%)
- Blue (65%)



- Cyan (49%)
- Magenta (0%)
- Yellow (33%)
- Black (35%)



- Cyan (67%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1616, 30.3050, 19.8257 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 20.1616, 30.3050, 19.8257 by changing the saturation by 10% instead.

■ 20.1616, 30.3050,
19.8257

■ 20.1616, 30.3050,
19.8257

245.6055,
303.3235, 263.5429

■ 12.6215, 20.0702,
12.0856

■ 43.1898, 60.1442,
43.9799

■ 7.2436, 12.4461,
6.6787

■ 59.4087, 80.5174,
61.2310

■ 3.6626, 7.0482,
3.1866

■ 79.2512, 105.0388,
82.4896

■ 1.5131, 3.4923,
1.1907

■ 103.0826,
134.0929, 108.1742

■ 0.3347, 1.3938,
0.0000

131.2685,
168.0640, 138.7033

■ 0.0000, 0.2122,
0.0000

164.1740,

■ 0.0000, 0.0000,

207.3366, 174.4954

0.0000

202.1646,
252.2949, 215.9691

■ 20.1616, 30.3050,
19.8257

■ 20.1616, 30.3050,
19.8257

■ 18.2729, 29.3987,
16.7343

■ 22.4804, 31.4259,
23.3375

■ 16.7840, 28.6891,
14.0454

■ 25.2524, 32.7705,
27.2827

■ 15.6639, 28.1615,
11.7426


■ 28.5018, 34.3517,
31.6764


■ 14.8760, 27.7973,
9.8076


■ 32.2504, 36.1806,
36.5320


■ 14.3469, 27.5591,
8.2193


■ 36.5186, 38.2674,
41.8628

 14.3183, 27.5462,
8.1341

 41.3256, 40.6217,
47.6811

 46.6896, 43.2526,
53.9991

 52.6280, 46.1690,
60.8283

 59.1575, 49.3791,
68.1801

Harmonies

Analogous

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



23.4797, 30.3050, 12.5539



20.1616, 30.3050, 19.8257



19.0770, 30.3050, 33.4833

Triad

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



20.1616, 30.3050, 19.8257



28.9733, 30.3050, 76.0338



39.4101, 30.3050, 19.2348

Complementary

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



20.1616, 30.3050, 19.8257



23.5574, 16.3123, 26.3341

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.



41.3770, 30.3050, 32.5154



20.1616, 30.3050, 19.8257



34.8779, 30.3050, 68.4555

Square

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



20.1616, 30.3050, 19.8257



23.7360, 30.3050, 69.2458



39.6187, 30.3050, 50.9973



34.5465, 30.3050, 12.3015

Rectangle

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



20.1616, 30.3050, 19.8257



19.6344, 30.3050, 45.6568



39.6187, 30.3050, 50.9973



40.4589, 30.3050, 22.9247

Sweetspot

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



20.1624, 30.3062, 19.8264



54.4164, 63.6542, 61.0143



26.0584, 33.4923, 13.4789



11.8766, 14.0979, 13.2612



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.1624, 30.3062, 19.8264



32.9506, 53.2522, 30.0058



22.8765, 31.3919, 34.1187



7.5348, 8.4470, 8.5365



11.1223, 21.3677, 6.4106



0.2941, 0.5293, 0.2795

Inverse Universe

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



23.5574, 16.3123, 26.3341



39.8052, 24.9173, 43.0852



21.1508, 15.3496, 13.6611



7.7353, 7.6240, 8.9232



14.4564, 7.1913, 12.4811



0.3738, 0.1838, 0.4200

Previews

White Background



This preview shows how the XYZ color 20.1616, 30.3050, 19.8257 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 20.1616, 30.3050, 19.8257 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 20.1616, 30.3050, 19.8257

Background



This preview shows how black text looks on a background with the XYZ color 20.1616, 30.3050, 19.8257.



This preview shows how white text looks on a background with the XYZ color 20.1616, 30.3050,

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

20.1616, 30.3050, 19.8257

Protanopia

27.9441, 30.0714, 17.4283

Deuteranopia

30.4304, 29.9045, 20.6913



Tritanopia

24.7231, 30.0466, 43.0246

Trichromacy



Original Color

20.1616, 30.3050, 19.8257



Protanomaly

24.0481, 29.4908, 18.3347



Deuteranomaly

25.0884, 29.0108, 20.1969



Tritanomaly

22.7858, 30.0393, 33.0310

Monochromacy



Original Color

20.1616, 30.3050, 19.8257



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.2472, 25.7771, 23.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1616, 30.3050, 19.8257 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(84, 166, 111)` looks like.

```
.text, #text, p{  
    color:rgb(84, 166, 111)  
}
```

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(84, 166, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 166, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.1616, 30.3050, 19.8257 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(84, 166, 111) }
```


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

```
.border{ border-color:rgb(84, 166, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 166, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 166, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 166, 111);  
box-shadow:4px 4px 4px 4px rgb(84, 166,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1616, 30.3050, 19.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 166, 111) }
```

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

```
.background{ background-color: rgb(84, 166,  
111) }
```

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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