

Converting Colors

XYZ(20.4942, 31.6577, 17.2729)

Have a look what the booklet for
XYZ(20.4942, 31.6577, 17.2729)
contains.

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Color

**XYZ(20.4700, 31.6203,
17.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	55AA65
RGB	85, 170, 101
RGB Percent	33%, 67%, 40%
CMY	0.6667, 0.3333, 0.6039
CMYK	0.50, 0.00, 0.41, 0.33
HSL	131°, 33%, 50%
HSV	131°, 50%, 67%
XYZ	20.4700, 31.6203, 17.3364
YIQ	136.7190, -28.5110, -39.4790

Conversions

Conversions Part 2

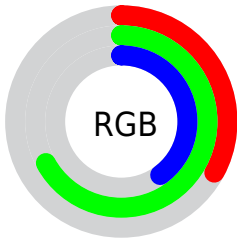
Format	Color
RYB	85, 157, 170
Decimal	5614181
CIELab	63.03, -40.93, 27.85
CIELCh	63, 49.509, 145.763
Yxy	31.6203, 0.2948, 0.4554
Android (android.graphics.Color)	4283804261 (0xFF55AA65)
YUV	136.7190, -17.6095, -45.3576
Hunter-Lab	56.2319, -33.4269, 21.0831

Details

The XYZ color **20.4700, 31.6203, 17.3364** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.6598, 17.3768, 32.5745**, and the grayscale version is **23.7445, 24.9810, 27.2043**.

A 20% lighter version of the original color is **43.7613, 62.2681, 39.8495**, and **7.4048, 13.1863, 5.5231** is the 20% darker color. If you saturate the color by 10%, you get **18.4878, 30.6710, 14.0058**, and if you desaturate by 10%, it is **22.9381, 32.8088, 21.2838**.

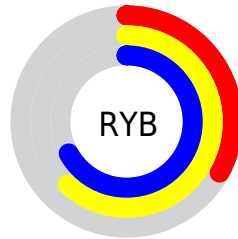
Distribution



Red (33%)

Green (67%)

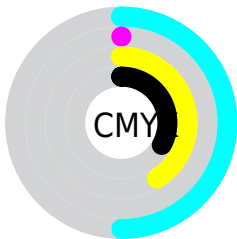
Blue (40%)



Red (33%)

Yellow (62%)

Blue (67%)

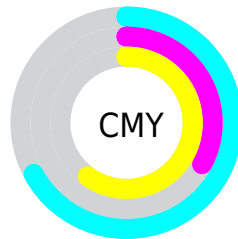


Cyan (50%)

Magenta (0%)

Yellow (41%)

Black (33%)



Cyan (67%)

Magenta (33%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4700, 31.6203, 17.3364 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 20.4700, 31.6203, 17.3364 by changing the saturation by 10% instead.

■ 20.4700, 31.6203,
17.3364

■ 20.4700, 31.6203,
17.3364

247.2336,
309.3859, 249.2128

■ 12.8474, 21.0716,
10.3101

■ 43.7017, 62.2154,
39.7018

■ 7.3998, 13.1764,
5.4968

■ 60.0416, 83.0306,
55.8780

■ 3.7619, 7.5501,
2.4778

■ 80.0179, 108.0367,
75.9413

■ 1.5683, 3.8085,
0.8284

■ 103.9960,
137.6183, 100.3103

■ 0.3716, 1.5670,
0.0000

132.3413,
172.1596, 129.4033

■ 0.0000, 0.3352,
0.0000

165.4190,

■ 0.0000, 0.0000,

212.0450, 163.6391

0.0000

203.5947,
257.6590, 203.4361

■ 20.4700, 31.6203,
17.3364

■ 20.4700, 31.6203,
17.3364

■ 18.4878, 30.6710,
14.0058

■ 22.9381, 32.8088,
21.2838

■ 16.9566, 29.9408,
11.2589

■ 25.9194, 34.2471,
25.8748

■ 15.8401, 29.4128,
9.0623

■ 29.4418, 35.9502,
31.1373

■ 15.0957, 29.0655,
7.3789

■ 33.5306, 37.9304,
37.0966

■ 14.6361, 28.8549,
6.1648

■ 38.2094, 40.1994,
43.7770

■ 43.5007, 42.7683,
51.2016

■ 49.4254, 45.6474,
59.3922

■ 56.0037, 48.8468,
68.3701

■ 63.2549, 52.3758,
78.1554

Harmonies

Analogous

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



24.7105, 31.6203, 10.4835



20.4700, 31.6203, 17.3364



18.7882, 31.6203, 31.7302

Triad

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



20.4700, 31.6203, 17.3364



29.0963, 31.6203, 87.0578



43.4683, 31.6203, 20.5572

Complementary

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



20.4700, 31.6203, 17.3364



25.6598, 17.3768, 32.5745

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.



45.1087, 31.6203, 37.2770



20.4700, 31.6203, 17.3364



36.1175, 31.6203, 80.4962

Square

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



20.4700, 31.6203, 17.3364



23.2678, 31.6203, 75.7100



42.2418, 31.6203, 60.1551



38.0463, 31.6203, 11.7892

Rectangle

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



20.4700, 31.6203, 17.3364



19.1243, 31.6203, 45.6642



42.2418, 31.6203, 60.1551



44.5122, 31.6203, 25.2069

Sweetspot

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



20.4708, 31.6216, 17.3371



56.7937, 66.8599, 61.4449



29.4215, 36.3178, 14.0539



12.3327, 14.7490, 13.2163



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.



20.4708, 31.6216, 17.3371



33.2021, 55.4842, 24.8186



23.0862, 32.6678, 31.1095



7.4923, 8.4300, 8.3126



10.7819, 21.2315, 4.6185



0.2783, 0.5230, 0.1965

Inverse Universe

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



25.6598, 17.3768, 32.5745



43.6834, 26.6292, 55.5367



22.7469, 16.2116, 17.2357



7.7804, 7.6420, 9.1610



15.5884, 7.6441, 18.4420



0.3945, 0.1921, 0.5287

Previews

White Background



This preview shows how the XYZ color 20.4700, 31.6203, 17.3364 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 20.4700, 31.6203, 17.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

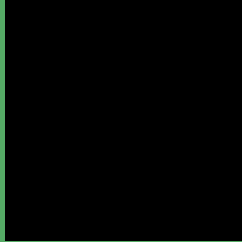
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4700, 31.6203, 17.3364

Background



This preview shows how black text looks on a background with the XYZ color 20.4700, 31.6203, 17.3364.



This preview shows how white text looks on a background with the XYZ color 20.4700, 31.6203,

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

20.4700, 31.6203, 17.3364

Protanopia

28.7657, 31.2640, 15.1081

Deuteranopia

31.6016, 31.0156, 18.2309



Tritanopia

25.8643, 31.3705, 44.7363

Trichromacy



Original Color

20.4700, 31.6203, 17.3364



Protanomaly

24.7091, 30.8936, 15.9700



Deuteranomaly

25.7825, 30.1509, 17.8254



Tritanomaly

23.3658, 31.1443, 32.3837

Monochromacy



Original Color

20.4700, 31.6203, 17.3364



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.8567, 26.8017, 23.0901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4700, 31.6203, 17.3364 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(85, 170, 101)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 101)  
}
```

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(85, 170, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.4700, 31.6203, 17.3364 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(85, 170, 101) }
```


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

```
.border{ border-color:rgb(85, 170, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 101);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4700, 31.6203, 17.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 101) }
```

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

```
.background{ background-color: rgb(85, 170,  
101) }
```

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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