

Converting Colors

XYZ(19.7071, 29.7024, 20.0548)

Have a look what the booklet for
XYZ(19.7071, 29.7024, 20.0548)
contains.

XYZ(19.7731, 29.8294, 20.0447)	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(19.7731, 29.8294,
20.0447)**

Conversions

Conversions Part 1

Format	Color
Hex	51A570
RGB	81, 165, 112
RGB Percent	32%, 65%, 44%
CMY	0.6823, 0.3529, 0.5608
CMYK	0.51, 0.00, 0.32, 0.35
HSL	142°, 34%, 48%
HSV	142°, 51%, 65%
XYZ	19.7731, 29.8294, 20.0447
YIQ	133.8420, -33.0510, -34.2910

Conversions

Conversions Part 2

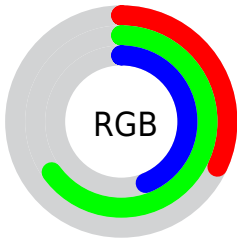
Format	Color
R_{YB}	81, 142, 165
Decimal	5350768
CIE _{Lab}	61.51, -37.81, 19.86
CIE _{LCh}	62, 42.712, 152.294
Yxy	29.8294, 0.2839, 0.4283
Android (android.graphics.Color)	4283540848 (0xFF51A570)
YUV	133.8420, -10.7681, -46.3424
Hunter-Lab	54.6163, -30.9550, 16.4714

Details

The XYZ color **19.7731, 29.8294, 20.0447** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.7635, 15.6061, 24.3680**, and the grayscale version is **22.6496, 23.8291, 25.9499**.

A 20% lighter version of the original color is **42.7106, 59.6275, 44.3801**, and **7.0288, 12.1179, 6.8190** is the 20% darker color. If you saturate the color by 10%, you get **17.9808, 28.9694, 17.1081**, and if you desaturate by 10%, it is **21.9776, 30.8958, 23.3518**.

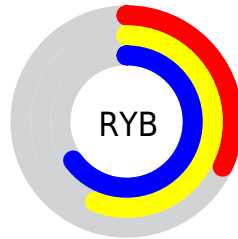
Distribution



Red (32%)

Green (65%)

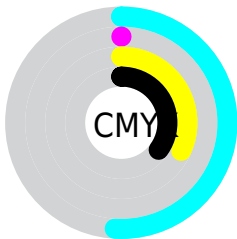
Blue (44%)



Red (32%)

Yellow (56%)

Blue (65%)

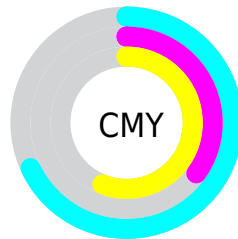


Cyan (51%)

Magenta (0%)

Yellow (32%)

Black (35%)



Cyan (68%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7731, 29.8294, 20.0447 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 19.7731, 29.8294, 20.0447 by changing the saturation by 10% instead.

■ 19.7731, 29.8294,
20.0447

■ 19.7731, 29.8294,
20.0447

243.5412,
301.1084, 264.7692

■ 12.3375, 19.7091,
12.2431

■ 42.5433, 59.3923,
44.3521

■ 7.0478, 12.1838,
6.7849

■ 58.6086, 79.6037,
61.6950

■ 3.5386, 6.8690,
3.2516

■ 78.2812, 103.9476,
83.0554

■ 1.4446, 3.3803,
1.2245

■ 101.9265,
132.8084, 108.8519

■ 0.2877, 1.3333,
0.0000

■ 129.9098,
166.5705, 139.5029

■ 0.0000, 0.1668,
0.0000

162.5964,

■ 0.0000, 0.0000,

205.6183, 175.4272

0.0000

200.3517,
250.3361, 217.0431

■ 19.7731, 29.8294,
20.0447

■ 19.7731, 29.8294,
20.0447

■ 17.9808, 28.9694,
17.1081

■ 21.9776, 30.8958,
23.3518

■ 16.5707, 28.2982,
14.5269

■ 24.6169, 32.1775,
27.0399

■ 15.5125, 27.8011,
12.2877

■ 27.7146, 33.6873,
31.1215

■ 14.7695, 27.4596,
10.3755

■ 31.2921, 35.4360,
35.6079

■ 14.2951, 27.2471,
8.9055

■ 35.3692, 37.4335,
40.5101

■ 39.9646, 39.6893,
45.8384

■ 45.0961, 42.2124,
51.6029

■ 50.7806, 45.0113,
57.8134

■ 57.0343, 48.0942,
64.4793

Harmonies

Analogous

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



22.9300, 29.8294, 12.6255



19.7731, 29.8294, 20.0447



18.8153, 29.8294, 33.7416

Triad

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



19.7731, 29.8294, 20.0447



28.7894, 29.8294, 74.5933



38.5734, 29.8294, 18.5201

Complementary

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



19.7731, 29.8294, 20.0447



22.7635, 15.6061, 24.3680

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.



40.6646, 29.8294, 31.2485



19.7731, 29.8294, 20.0447



34.5675, 29.8294, 66.5584

Square

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



19.7731, 29.8294, 20.0447



23.5907, 29.8294, 68.5897



39.1103, 29.8294, 49.2170



33.7143, 29.8294, 11.9731

Rectangle

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



19.7731, 29.8294, 20.0447



19.4338, 29.8294, 45.7839



39.1103, 29.8294, 49.2170



39.6505, 29.8294, 22.0394

Sweetspot

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



19.7739, 29.8306, 20.0454



53.1346, 62.0398, 60.1705



24.8048, 32.5904, 12.7682



11.3385, 13.4274, 12.8054



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.7739, 29.8306, 20.0454



31.8604, 51.7173, 30.0461



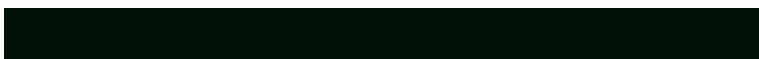
22.6655, 30.9873, 35.2723



7.0886, 7.9363, 8.0783



10.8364, 20.6209, 6.8549



0.2500, 0.4422, 0.2613

Inverse Universe

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



22.7635, 15.6061, 24.3680



37.8057, 23.3479, 38.5811



20.4008, 14.6610, 11.9262



7.2529, 7.1576, 8.3182



13.6579, 6.8192, 10.6553



0.3086, 0.1519, 0.3377

Previews

White Background



This preview shows how the XYZ color 19.7731, 29.8294, 20.0447 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7731, 29.8294, 20.0447 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 × Fail

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

XYZ 19.7731, 29.8294, 20.0447

Background



This preview shows how black text looks on a background with the XYZ color 19.7731, 29.8294, 20.0447.



This preview shows how white text looks on a background with the XYZ color 19.7731, 29.8294,

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

19.7731, 29.8294, 20.0447

Protanopia

27.3867, 29.5502, 17.3570

Deuteranopia

29.8971, 29.4010, 20.9288



Tritanopia

24.3064, 29.8428, 42.5094

Trichromacy



Original Color

19.7731, 29.8294, 20.0447

Protanomaly

23.5695, 28.9980, 18.2649

Deuteranomaly

24.6483, 28.5395, 20.4292

Tritanomaly

22.4841, 29.8838, 33.0169

Monochromacy



Original Color

19.7731, 29.8294, 20.0447

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9615, 25.4020, 23.5369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7731, 29.8294, 20.0447 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(81, 165, 112)` looks like.

```
.text, #text, p{  
    color:rgb(81, 165, 112)  
}
```

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(81, 165, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 165, 112) }
```

Border

The CSS property to change the border of an element to XYZ 19.7731, 29.8294, 20.0447 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(81, 165, 112) }
```


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

```
.border{ border-color:rgb(81, 165, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 165, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 165, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 165, 112);  
box-shadow:4px 4px 4px 4px rgb(81, 165,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7731, 29.8294, 20.0447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 165, 112) }
```

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

```
.background{ background-color: rgb(81, 165,  
112) }
```

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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