

Converting Colors

XYZ(20.9807, 27.3856, 19.6251)

Have a look what the booklet for
XYZ(20.9807, 27.3856, 19.6251)
contains.

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Color

**XYZ(20.9980, 27.3971,
19.5107)**

Conversions

Conversions Part 1

Format	Color
Hex	709970
RGB	112, 153, 112
RGB Percent	44%, 60%, 44%
CMY	0.5608, 0.4000, 0.5608
CMYK	0.27, 0.00, 0.27, 0.40
HSL	120°, 17%, 52%
HSV	120°, 27%, 60%
XYZ	20.9980, 27.3971, 19.5107
YIQ	136.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

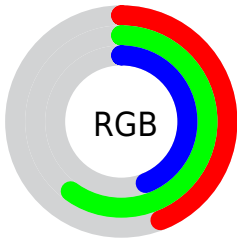
Format	Color
RYB	112, 153, 153
Decimal	7379312
CIELab	59.34, -22.48, 17.14
CIElCh	59, 28.270, 142.673
Yxy	27.3971, 0.3092, 0.4035
Android (android.graphics.Color)	4285569392 (0xFF709970)
YUV	136.0670, -11.8650, -21.1068
Hunter-Lab	52.3422, -19.9905, 14.5391

Details

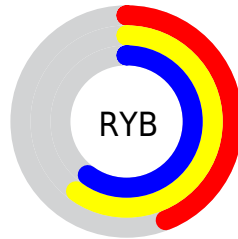
The XYZ color **20.9980, 27.3971, 19.5107** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.6818, 20.6612, 32.8254**, and the grayscale version is **23.4735, 24.6960, 26.8939**.

A 20% lighter version of the original color is **44.7738, 55.7914, 43.5310**, and **7.7267, 10.9297, 6.5529** is the 20% darker color. If you saturate the color by 10%, you get **18.4335, 26.1660, 15.3154**, and if you desaturate by 10%, it is **24.0396, 28.8589, 24.4852**.

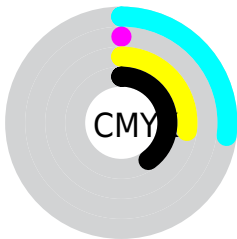
Distribution



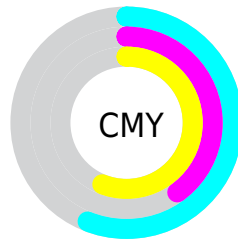
- Red (44%)
- Green (60%)
- Blue (44%)



- Red (44%)
- Yellow (60%)
- Blue (60%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)



- Cyan (56%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9980, 27.3971, 19.5107 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 20.9980, 27.3971, 19.5107 by changing the saturation by 10% instead.

■ 20.9980, 27.3971,
19.5107

■ 20.9980, 27.3971,
19.5107

249.9998,
289.5747, 261.7698

■ 13.2350, 17.8717,
11.8593

■ 44.5755, 55.5204,
43.4434

■ 7.6687, 10.8579,
6.5266

■ 61.1207, 74.8871,
60.5619

■ 3.9337, 5.9714,
3.0939

■ 81.3240, 98.3031,
81.6731

■ 1.6647, 2.8277,
1.1428

■ 105.5508,
126.1526, 107.1957

■ 0.4340, 1.0424,
0.0000

134.1664,
158.8201, 137.5481

■ 0.0000, 0.0000,
0.0000

167.5362,

196.6900, 173.1489

206.0256,
240.1468, 214.4166

■ 20.9980, 27.3971,
19.5107

■ 20.9980, 27.3971,
19.5107

■ 18.4335, 26.1660,
15.3154

■ 24.0396, 28.8589,
24.4852

■ 16.3198, 25.1508,
11.8581

■ 27.5784, 30.5588,
30.2736

■ 14.6316, 24.3398,
9.0968

■ 31.6362, 32.5080,
36.9108

■ 13.3401, 23.7194,
6.9842

■ 36.2326, 34.7159,
44.4290

■ 12.4128, 23.2740,
5.4675

■ 41.3863, 37.1914,
52.8588

■ 11.8124, 22.9856,
4.4853

■ 47.1151, 39.9433,
62.2292

■ 11.4799, 22.8259,
3.9415

■ 53.4360, 42.9796,
72.5683

■ 11.3918, 22.7836,
3.7973

■ 60.3654, 46.3081,
83.9025

■ 67.9189, 49.9364,
96.2575

Harmonies

Analogous

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



23.5056, 27.3971, 15.2266



20.9980, 27.3971, 19.5107



19.8606, 27.3971, 27.4151

Triad

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



20.9980, 27.3971, 19.5107



25.1824, 27.3971, 53.6185



32.8329, 27.3971, 22.9353

Complementary

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



20.9980, 27.3971, 19.5107



24.6818, 20.6612, 32.8254

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.



33.3845, 27.3971, 32.3844



20.9980, 27.3971, 19.5107



28.7505, 27.3971, 51.6530

Square

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



20.9980, 27.3971, 19.5107



22.1302, 27.3971, 48.1534



31.8310, 27.3971, 43.2680



30.3854, 27.3971, 16.8688

Rectangle

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



20.9980, 27.3971, 19.5107



19.9527, 27.3971, 34.3109



31.8310, 27.3971, 43.2680



33.2547, 27.3971, 25.7587

Sweetspot

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



20.9987, 27.3983, 19.5113



48.4720, 54.2851, 52.7166



27.4540, 30.7261, 19.8133



10.4975, 11.8879, 11.3041



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9987, 27.3983, 19.5113



34.8237, 47.7291, 30.3923



22.2733, 27.9081, 26.2233



6.1322, 6.9256, 6.6194



9.4147, 18.8293, 3.1383



0.1407, 0.2815, 0.0469

Inverse Universe

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



24.6818, 20.6612, 32.8254



42.5230, 33.6456, 58.2246



23.1311, 20.0409, 24.6596



6.4612, 6.3237, 7.8090



15.6094, 7.4980, 25.5317



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 20.9980, 27.3971, 19.5107 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 20.9980, 27.3971, 19.5107 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 20.9980, 27.3971, 19.5107

Background



This preview shows how black text looks on a background with the XYZ color 20.9980, 27.3971, 19.5107.



This preview shows how white text looks on a background with the XYZ color 20.9980, 27.3971,

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

20.9980, 27.3971, 19.5107

Protanopia

25.2757, 27.0829, 17.8053

Deuteranopia

27.5572, 27.1285, 20.0035



Tritanopia

24.4375, 27.3637, 36.7946

Trichromacy



Original Color

20.9980, 27.3971, 19.5107

Protanomaly

23.3557, 26.9803, 18.4447

Deuteranomaly

24.7138, 26.9708, 19.8229

Tritanomaly

22.9660, 27.2298, 29.6366

Monochromacy



Original Color

20.9980, 27.3971, 19.5107

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.2562, 25.3903, 23.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9980, 27.3971, 19.5107 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(112, 153, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 153, 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(112, 153, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 153, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.9980, 27.3971, 19.5107 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(112, 153, 112) }
```


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

```
.border{ border-color:rgb(112, 153, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 153, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 153, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 153, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 153,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9980, 27.3971, 19.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 153, 112) }
```

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

```
.background{ background-color: rgb(112,  
153, 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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