

Converting Colors

XYZ(19.9816, 22.8681, 26.9213)

Have a look what the booklet for
XYZ(19.9816, 22.8681, 26.9213)
contains.

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Color

**XYZ(20.0016, 22.8592,
27.0250)**

Conversions

Conversions Part 1

Format	Color
Hex	708889
RGB	112, 136, 137
RGB Percent	44%, 53%, 54%
CMY	0.5608, 0.4667, 0.4627
CMYK	0.18, 0.01, 0.00, 0.46
HSL	182°, 10%, 49%
HSV	182°, 18%, 54%
XYZ	20.0016, 22.8592, 27.0250
YIQ	128.9380, -14.6250, -4.7770

Conversions

Conversions Part 2

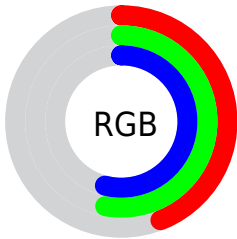
Format	Color
R_{YB}	112, 124, 137
Decimal	7374985
CIE _{Lab}	54.93, -8.32, -3.40
CIE _{LCh}	55, 8.985, 202.244
Yxy	22.8592, 0.2862, 0.3271
Android (android.graphics.Color)	4285565065 (0xFF708889)
YUV	128.9380, 3.9746, -14.8546
Hunter-Lab	47.8113, -8.9952, -0.0454

Details

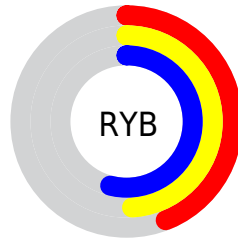
The XYZ color **20.0016, 22.8592, 27.0250** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1465, 18.2985, 17.8525**, and the grayscale version is **20.8352, 21.9203, 23.8712**.

A 20% lighter version of the original color is **42.8017, 48.0054, 55.7253**, and **7.1624, 8.4337, 10.2672** is the 20% darker color. If you saturate the color by 10%, you get **18.3127, 21.8751, 26.9244**, and if you desaturate by 10%, it is **21.9575, 23.9827, 27.1391**.

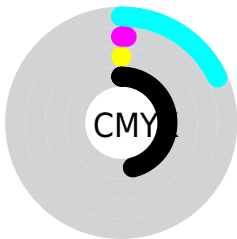
Distribution



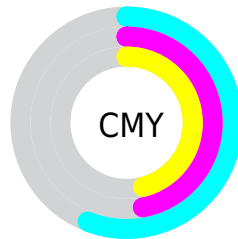
- Red (44%)
- Green (53%)
- Blue (54%)



- Red (44%)
- Yellow (49%)
- Blue (54%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (46%)



- Cyan (56%)
- Magenta (47%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0016, 22.8592, 27.0250 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 20.0016, 22.8592, 27.0250 by changing the saturation by 10% instead.

■ 20.0016, 22.8592,
27.0250

■ 20.0016, 22.8592,
27.0250

244.7572,
267.0010, 301.5421

■ 12.5045, 14.4896,
17.3594

■ 42.9238, 48.1620,
55.9282

■ 7.1629, 8.4620,
10.3264

■ 59.0796, 65.8640,
76.0029

■ 3.6114, 4.3919,
5.5075

■ 78.8523, 87.4456,
100.3843

■ 1.4847, 1.8951,
2.4841

■ 102.6073,
113.2912, 129.4911

■ 0.3154, 0.5455,
0.8317

130.7099,
143.7851, 163.7417

■ 0.0000, 0.0000,
0.0000

163.5255,

179.3118, 203.5548

201.4195,
220.2556, 249.3487

■ 20.0016, 22.8592,
27.0250

■ 20.0016, 22.8592,
27.0250

■ 18.3127, 21.8751,
26.9244

■ 21.9575, 23.9827,
27.1391

■ 16.8769, 21.0214,
26.8353

■ 24.1895, 25.2486,
27.2658

■ 15.6819, 20.2924,
26.7576

■ 26.7090, 26.6633,
27.4061

■ 14.7138, 19.6810,
26.6906

■ 29.5258, 28.2319,
27.5604

■ 13.9571, 19.1792,
26.6336

■ 32.6496, 29.9592,
27.7292

■ 13.3944, 18.7780,
26.5858

■ 36.0894, 31.8501,
27.9129

■ 13.0057, 18.4670,
26.5463

■ 39.8539, 33.9089,
28.1118

■ 12.7463, 18.2232,
26.5129

■ 43.9514, 36.1401,
28.3265

■ 12.7033, 18.1818,
26.5072

■ 48.3902, 38.5477,
28.5573

Harmonies

Analogous

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



19.8835, 22.8592, 24.1566



20.0016, 22.8592, 27.0250



20.5749, 22.8592, 29.4845

Triad

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



20.0016, 22.8592, 27.0250



23.2771, 22.8592, 28.4026



21.9866, 22.8592, 19.8396

Complementary

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



20.0016, 22.8592, 27.0250



19.1465, 18.2985, 17.8525

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.



22.9212, 22.8592, 20.7991



20.0016, 22.8592, 27.0250



23.6810, 22.8592, 25.6376

Square

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



20.0016, 22.8592, 27.0250



22.4603, 22.8592, 30.3213



23.5488, 22.8592, 22.8701



21.0098, 22.8592, 20.1491

Rectangle

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



20.0016, 22.8592, 27.0250



21.1480, 22.8592, 30.4892



23.5488, 22.8592, 22.8701



22.3165, 22.8592, 20.0217

Sweetspot

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



20.0023, 22.8601, 27.0255



40.5210, 43.6312, 48.6692



18.5994, 22.5250, 18.9415



9.0358, 9.7562, 10.9132



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.0023, 22.8601, 27.0255



34.4808, 40.1607, 48.3176



18.3638, 19.5832, 26.4794



5.1560, 5.6550, 6.4256



11.8350, 16.9403, 24.6917



0.0811, 0.1175, 0.1649

Inverse Universe

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



20.5552, 18.6847, 25.8168



35.6700, 31.2278, 45.7071



20.6174, 21.2404, 18.3428



5.2254, 5.1256, 6.2753



13.4606, 6.4943, 20.7274



0.0907, 0.0436, 0.1442

Previews

White Background



This preview shows how the XYZ color 20.0016, 22.8592, 27.0250 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 20.0016, 22.8592, 27.0250 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

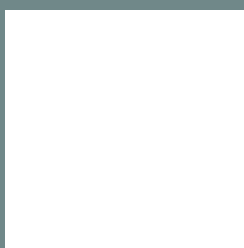
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0016, 22.8592, 27.0250

Background



This preview shows how black text looks on a background with the XYZ color 20.0016, 22.8592, 27.0250.



This preview shows how white text looks on a background with the XYZ color 20.0016, 22.8592,

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

20.0016, 22.8592, 27.0250

Protanopia

21.9586, 22.6730, 25.7732

Deuteranopia

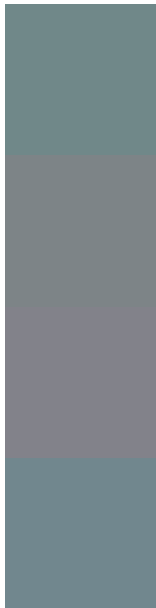
23.0648, 22.6183, 27.5762



Tritanopia

20.7142, 22.9497, 30.1260

Trichromacy



Original Color

20.0016, 22.8592, 27.0250

Protanomaly

21.0819, 22.6118, 26.1750

Deuteranomaly

21.7760, 22.5461, 27.2489

Tritanomaly

20.3565, 22.7917, 28.9175

Monochromacy



Original Color

20.0016, 22.8592, 27.0250

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5845, 22.3794, 25.0645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0016, 22.8592, 27.0250 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, 136, 137)` looks like.

```
.text, #text, p{  
    color:rgb(112, 136, 137)  
}
```

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, 136, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 136, 137) }
```

Border

The CSS property to change the border of an element to XYZ 20.0016, 22.8592, 27.0250 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, 136, 137) }
```


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

```
.border{ border-color:rgb(112, 136, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 136, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 136, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 136, 137);  
box-shadow:4px 4px 4px 4px rgb(112, 136,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0016, 22.8592, 27.0250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 136, 137) }
```

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

```
.background{ background-color: rgb(112,  
136, 137) }
```

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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