

Converting Colors

XYZ(15.9405, 19.0005, 21.1411)

Have a look what the booklet for
XYZ(15.9405, 19.0005, 21.1411)
contains.

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Color

**XYZ(16.0320, 19.1253,
21.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	617F7A
RGB	97, 127, 122
RGB Percent	38%, 50%, 48%
CMY	0.6196, 0.5019, 0.5216
CMYK	0.24, 0.00, 0.04, 0.50
HSL	170°, 13%, 44%
HSV	170°, 24%, 50%
XYZ	16.0320, 19.1253, 21.2589
YIQ	117.4600, -16.2750, -7.9150

Conversions

Conversions Part 2

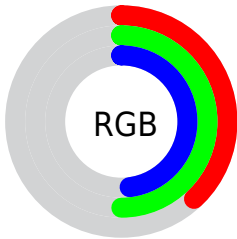
Format	Color
RYB	97, 113, 127
Decimal	6389626
CIELab	50.83, -11.81, -0.80
CIElCh	51, 11.841, 183.856
Yxy	19.1253, 0.2842, 0.3390
Android (android.graphics.Color)	4284579706 (0xFF617F7A)
YUV	117.4600, 2.2382, -17.9434
Hunter-Lab	43.7325, -11.0951, 1.7911

Details

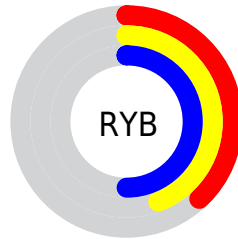
The XYZ color **16.0320, 19.1253, 21.2589** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4261, 14.0213, 14.4646**, and the grayscale version is **17.0487, 17.9365, 19.5329**.

A 20% lighter version of the original color is **36.1740, 41.9944, 46.2436**, and **5.1936, 6.5828, 7.3002** is the 20% darker color. If you saturate the color by 10%, you get **14.6560, 18.4314, 20.5174**, and if you desaturate by 10%, it is **17.6287, 19.9336, 22.0265**.

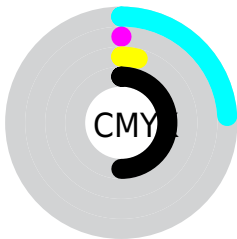
Distribution



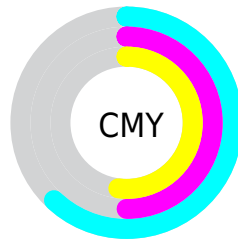
- Red (38%)
- Green (50%)
- Blue (48%)



- Red (38%)
- Yellow (44%)
- Blue (50%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (50%)



- Cyan (62%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0320, 19.1253, 21.2589 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 16.0320, 19.1253, 21.2589 by changing the saturation by 10% instead.

■ 16.0320, 19.1253,
21.2589

■ 16.0320, 19.1253,
21.2589

222.7971,
247.1396, 271.4773

■ 9.6378, 11.7609,
13.1203

■ 36.2107, 41.9457,
46.4044

■ 5.2199, 6.5811,
7.3797

■ 50.7260, 58.1705,
64.2484

■ 2.4129, 3.2015,
3.6187

■ 68.6790, 78.1175,
86.1645

■ 0.8516, 1.2378,
1.4186

■ 90.4350, 102.1711,
112.5714

■ 0.0000, 0.0923,
0.1561

116.3595,
130.7157, 143.8876

■ 0.0000, 0.0000,
0.0000

146.8178,

164.1357, 180.5317

182.1752,
202.8156, 222.9220

■ 16.0320, 19.1253,
21.2589

■ 16.0320, 19.1253,
21.2589

■ 14.6560, 18.4314,
20.5174

■ 17.6287, 19.9336,
22.0265

■ 13.4887, 17.8443,
19.8001

■ 19.4539, 20.8589,
22.8193

■ 12.5195, 17.3590,
19.1068

■ 21.5174, 21.9067,
23.6385

■ 11.7361, 16.9692,
18.4369

■ 23.8277, 23.0813,
24.4844

■ 11.1251, 16.6679,
17.7895

■ 26.3929, 24.3871,
25.3575

■ 10.6711, 16.4472,
17.1640

■ 29.2207, 25.8278,
26.2582

■ 10.3544, 16.2970,
16.5592

■ 32.3186, 27.4075,
27.1871

■ 10.1823, 16.2165,
16.1824

■ 35.6937, 29.1298,
28.1446

■ 39.3529, 30.9981,
29.1309

Harmonies

Analogous

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



16.2391, 19.1253, 18.1216



16.0320, 19.1253, 21.2589



16.3794, 19.1253, 24.6093

Triad

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



16.0320, 19.1253, 21.2589



19.4556, 19.1253, 26.6232



19.1837, 19.1253, 15.5766

Complementary

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



16.0320, 19.1253, 21.2589



15.4261, 14.0213, 14.4646

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.



20.1038, 19.1253, 17.4486



16.0320, 19.1253, 21.2589



20.2654, 19.1253, 23.7829

Square

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



16.0320, 19.1253, 21.2589



18.3292, 19.1253, 27.9085



20.5075, 19.1253, 20.3955



18.0277, 19.1253, 15.0533

Rectangle

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



16.0320, 19.1253, 21.2589



16.8877, 19.1253, 26.4504



20.5075, 19.1253, 20.3955



19.5325, 19.1253, 16.0584

Sweetspot

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



16.0325, 19.1261, 21.2593



33.6295, 36.7398, 40.3537



15.2840, 18.8967, 14.1515



7.8388, 8.5841, 9.4330



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.0325, 19.1261, 21.2593



27.4179, 33.5967, 37.3931



15.1808, 16.9138, 22.5442



4.4166, 4.8750, 5.3651



10.2683, 16.3539, 16.3174



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4261, 14.0213, 14.4646



26.1467, 22.8891, 23.1451



16.1164, 15.7871, 13.5074



4.3548, 4.3551, 4.6727



8.9648, 4.6056, 1.1385



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0320, 19.1253, 21.2589 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 16.0320, 19.1253, 21.2589 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

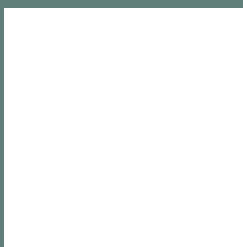
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0320, 19.1253, 21.2589

Background



This preview shows how black text looks on a background with the XYZ color 16.0320, 19.1253, 21.2589.



This preview shows how white text looks on a background with the XYZ color 16.0320, 19.1253,

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

16.0320, 19.1253, 21.2589

Protanopia

18.1549, 18.9519, 19.8408

Deuteranopia

19.3595, 19.0031, 21.7164



Tritanopia

16.9623, 19.1258, 25.7193

Trichromacy



Original Color

16.0320, 19.1253, 21.2589

Protanomaly

17.3522, 19.0752, 20.2201

Deuteranomaly

18.0203, 19.0267, 21.4616

Tritanomaly

16.6357, 19.1861, 23.9456

Monochromacy



Original Color

16.0320, 19.1253, 21.2589

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5976, 18.3217, 20.1144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0320, 19.1253, 21.2589 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(97, 127, 122) looks like.

```
.text, #text, p{  
    color:rgb(97, 127, 122)  
}
```

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(97, 127, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 127, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.0320, 19.1253, 21.2589 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(97, 127, 122) }
```


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

```
.border{ border-color:rgb(97, 127, 122) }
```

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

Here you see how a box with a 4 pixel rgb(97, 127, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 127, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 127, 122);  
box-shadow:4px 4px 4px 4px rgb(97, 127,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0320, 19.1253, 21.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 127, 122) }
```

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

```
.background{ background-color: rgb(97, 127,  
122) }
```

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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