

Converting Colors

XYZ(16.2727, 17.5351, 21.0306)

Have a look what the booklet for
XYZ(16.2727, 17.5351, 21.0306)
contains.

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Color

**XYZ(16.2980, 17.6132,
20.9531)**

Conversions

Conversions Part 1

Format	Color
Hex	6D767A
RGB	109, 118, 122
RGB Percent	43%, 46%, 48%
CMY	0.5725, 0.5372, 0.5216
CMYK	0.11, 0.03, 0.00, 0.52
HSL	198°, 6%, 45%
HSV	198°, 11%, 48%
XYZ	16.2980, 17.6132, 20.9531
YIQ	115.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

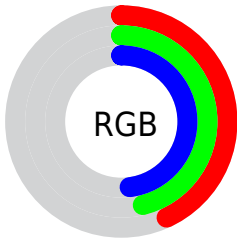
Format	Color
RYB	109, 114, 122
Decimal	7173754
CIELab	49.02, -2.49, -3.36
CIELCh	49, 4.182, 233.404
Yxy	17.6132, 0.2971, 0.3210
Android (android.graphics.Color)	4285363834 (0xFF6D767A)
YUV	115.7650, 3.0739, -5.9329
Hunter-Lab	41.9681, -4.1250, -0.2236

Details

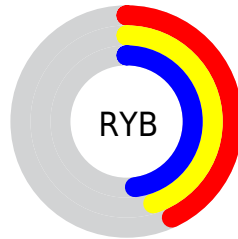
The XYZ color **16.2980, 17.6132, 20.9531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6917, 17.0521, 16.8801**, and the grayscale version is **16.5213, 17.3817, 18.9287**.

A 20% lighter version of the original color is **36.7126, 39.3825, 45.7110**, and **5.3172, 5.8535, 7.1529** is the 20% darker color. If you saturate the color by 10%, you get **14.4671, 16.0268, 20.7437**, and if you desaturate by 10%, it is **18.3559, 19.3437, 21.1789**.

Distribution



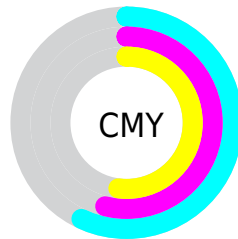
- Red (43%)
- Green (46%)
- Blue (48%)



- Red (43%)
- Yellow (45%)
- Blue (48%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (52%)



- Cyan (57%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2980, 17.6132, 20.9531 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 16.2980, 17.6132, 20.9531 by changing the saturation by 10% instead.

■ 16.2980, 17.6132,
20.9531

■ 16.2980, 17.6132,
20.9531

224.3298,
238.6817, 269.8020

■ 9.8275, 10.6726,
12.8988

■ 36.6681, 39.3771,
45.8892

■ 5.3461, 5.8472,
7.2290

■ 51.2983, 54.9693,
63.6082

■ 2.4886, 2.7524,
3.5251

■ 69.3791, 74.2141,
85.3858

■ 0.8895, 1.0039,
1.3686

■ 91.2759, 97.4959,
111.6405

■ 0.0000, 0.0000,
0.1171

117.3540,
125.1992, 142.7910

■ 0.0000, 0.0000,
0.0000

147.9788,

157.7084, 179.2557

183.5156,
195.4077, 221.4532

■ 16.2980, 17.6132,
20.9531

■ 16.2980, 17.6132,
20.9531

■ 14.4671, 16.0268,
20.7437

■ 18.3559, 19.3437,
21.1789

■ 12.8529, 14.5773,
20.5490

■ 20.6474, 21.2206,
21.4204

■ 11.4465, 13.2606,
20.3689

■ 23.1809, 23.2489,
21.6784

■ 10.2380, 12.0710,
20.2030

■ 25.9638, 25.4328,
21.9533

■ 9.2165, 11.0027,
20.0507

■ 29.0033, 27.7762,
22.2454

8.3698, 10.0491,
19.9112

32.3061, 30.2828,
22.5551

7.6844, 9.2029,
19.7840

35.8787, 32.9564,
22.8829

7.1445, 8.4555,
19.6682

39.7276, 35.8005,
23.2290

6.7202, 7.8198,
19.5679

43.8588, 38.8184,
23.5938

Harmonies

Analogous

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



16.0624, 17.6132, 20.0430



16.2980, 17.6132, 20.9531



16.6549, 17.6132, 21.3899

Triad

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



16.2980, 17.6132, 20.9531



17.4964, 17.6132, 19.4254



16.4449, 17.6132, 17.2747

Complementary

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



16.2980, 17.6132, 20.9531



16.6917, 17.0521, 16.8801

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.



16.8270, 17.6132, 17.1237



16.2980, 17.6132, 20.9531



17.4380, 17.6132, 18.3378

Square

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



16.2980, 17.6132, 20.9531



17.3497, 17.6132, 20.4860



17.1916, 17.6132, 17.5057



16.1463, 17.6132, 17.9265

Rectangle

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



16.2980, 17.6132, 20.9531



16.9152, 17.6132, 21.3423



17.1916, 17.6132, 17.5057



16.5677, 17.6132, 17.1648

Sweetspot

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



16.2985, 17.6139, 20.9535



31.3809, 33.2718, 37.1611



16.2416, 18.3607, 18.2816



7.1146, 7.5569, 8.4903



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.2985, 17.6139, 20.9535



27.7789, 30.2213, 36.7621



15.5701, 16.1570, 20.7107



4.0080, 4.3142, 5.0647



7.0677, 8.2178, 20.5990



32.9331, 37.6388, 97.9991

Inverse Universe

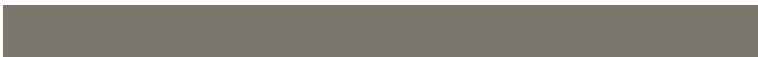
The Inverse Universe completely reimagines the original color for something new.



16.7652, 16.3833, 19.4190



28.7932, 27.5862, 33.4177



17.4313, 18.5311, 17.1266



4.1045, 4.0575, 4.7478



10.1508, 5.0365, 9.3508



48.0262, 23.8668, 42.5298

Previews

White Background



This preview shows how the XYZ color 16.2980, 17.6132, 20.9531 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2980, 17.6132, 20.9531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

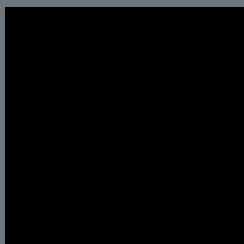
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

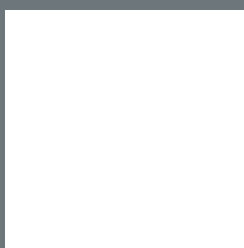
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2980, 17.6132, 20.9531

Background



This preview shows how black text looks on a background with the XYZ color 16.2980, 17.6132, 20.9531.



This preview shows how white text looks on a background with the XYZ color 16.2980, 17.6132,

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

16.2980, 17.6132, 20.9531

Protanopia

17.0327, 17.6532, 20.5988

Deuteranopia

17.9377, 17.6003, 21.1907



Tritanopia

16.6225, 17.5699, 22.5939

Trichromacy



Original Color

16.2980, 17.6132, 20.9531

Protanomaly

16.7519, 17.6805, 20.6189

Deuteranomaly

17.3136, 17.6135, 21.2261

Tritanomaly

16.4934, 17.5182, 21.9141

Monochromacy



Original Color

16.2980, 17.6132, 20.9531

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4414, 17.5413, 19.6588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2980, 17.6132, 20.9531 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(109, 118, 122) looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 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(109, 118, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.2980, 17.6132, 20.9531 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(109, 118, 122) }
```


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

```
.border{ border-color:rgb(109, 118, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2980, 17.6132, 20.9531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 122) }
```

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

```
.background{ background-color: rgb(109,  
118, 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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