

Converting Colors

XYZ(16.3095, 18.0566, 20.6764)

Have a look what the booklet for
XYZ(16.3095, 18.0566, 20.6764)
contains.

XYZ(16.2311, 17.9392, 20.6963)	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(16.2311, 17.9392,
20.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7879
RGB	107, 120, 121
RGB Percent	42%, 47%, 47%
CMY	0.5804, 0.5294, 0.5255
CMYK	0.12, 0.01, 0.00, 0.53
HSL	184°, 6%, 45%
HSV	184°, 12%, 47%
XYZ	16.2311, 17.9392, 20.6963
YIQ	116.2270, -8.0690, -2.4450

Conversions

Conversions Part 2

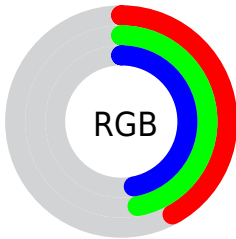
Format	Color
R_{YB}	107, 114, 121
Decimal	7043193
CIE Lab	49.42, -4.59, -2.20
CIE LCh	49, 5.091, 205.563
Yxy	17.9392, 0.2958, 0.3270
Android (android.graphics.Color)	4285233273 (0xFF6B7879)
YUV	116.2270, 2.3531, -8.0921
Hunter-Lab	42.3547, -5.7162, 0.6767

Details

The XYZ color **16.2311, 17.9392, 20.6963** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9018, 15.8517, 16.1319**, and the grayscale version is **16.6653, 17.5332, 19.0936**.

A 20% lighter version of the original color is **36.3959, 39.7913, 45.2974**, and **5.3834, 6.0764, 7.1925** is the 20% darker color. If you saturate the color by 10%, you get **14.7738, 17.0350, 20.5989**, and if you desaturate by 10%, it is **17.8940, 18.9517, 20.8044**.

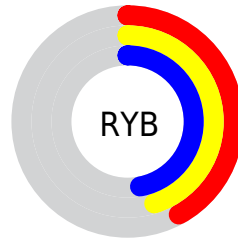
Distribution



Red (42%)

Green (47%)

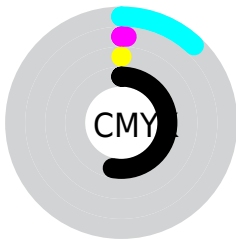
Blue (47%)



Red (42%)

Yellow (45%)

Blue (47%)

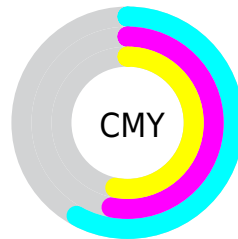


Cyan (12%)

Magenta (1%)

Yellow (0%)

Black (53%)



Cyan (58%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2311, 17.9392, 20.6963 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 16.2311, 17.9392, 20.6963 by changing the saturation by 10% instead.

■ 16.2311, 17.9392,
20.6963

■ 16.2311, 17.9392,
20.6963

223.9452,
240.5281, 268.3879

■ 9.7797, 10.9063,
12.7131

■ 36.5532, 39.9337,
45.4558

■ 5.3143, 6.0039,
7.1029

■ 51.1545, 55.6641,
63.0691

■ 2.4695, 2.8474,
3.4471

■ 69.2033, 75.0625,
84.7296

■ 0.8799, 1.0526,
1.3272

■ 91.0648, 98.5133,
110.8557

■ 0.0000, 0.0000,
0.0839

117.1044,
126.4009, 141.8661

■ 0.0000, 0.0000,
0.0000

147.6874,

159.1096, 178.1792

183.1792,
197.0239, 220.2136

■ 16.2311, 17.9392,
20.6963

■ 16.2311, 17.9392,
20.6963

■ 14.7738, 17.0350,
20.5989

■ 17.8940, 18.9517,
20.8044

■ 13.5121, 16.2326,
20.5105

■ 19.7688, 20.0744,
20.9222

■ 12.4375, 15.5281,
20.4311

■ 21.8636, 21.3118,
21.0507

■ 11.5404, 14.9164,
20.3603

■ 24.1855, 22.6677,
21.1900

■ 10.8102, 14.3920,
20.2976

■ 26.7413, 24.1457,
21.3406

■ 10.2351, 13.9491,
20.2424

■ 29.5375, 25.7489,
21.5027

■ 9.8019, 13.5806,
20.1942

■ 32.5805, 27.4808,
21.6766

■ 9.4952, 13.2788,
20.1521

■ 35.8761, 29.3443,
21.8626

■ 9.2865, 13.0511,
20.1191

■ 39.4303, 31.3426,
22.0610

Harmonies

Analogous

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



16.1465, 17.9392, 19.3288



16.2311, 17.9392, 20.6963



16.5338, 17.9392, 21.7962

Triad

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



16.2311, 17.9392, 20.6963



17.8237, 17.9392, 21.0668



17.1222, 17.9392, 17.0128

Complementary

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



16.2311, 17.9392, 20.6963



15.9018, 15.8517, 16.1319

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.



17.5782, 17.9392, 17.4317



16.2311, 17.9392, 20.6963



17.9880, 17.9392, 19.7381

Square

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



16.2311, 17.9392, 20.6963



17.4523, 17.9392, 22.0170



17.8974, 17.9392, 18.4136



16.6553, 17.9392, 17.2427

Rectangle

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



16.2311, 17.9392, 20.6963



16.8215, 17.9392, 22.2075



17.8974, 17.9392, 18.4136



17.2819, 17.9392, 17.0819

Sweetspot

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



16.2316, 17.9400, 20.6967



31.5708, 33.6517, 37.2244



15.6044, 17.8822, 16.7984



7.1680, 7.6638, 8.5082



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.



16.2316, 17.9400, 20.6967



28.3042, 31.6558, 37.0113



15.4275, 16.3318, 20.4287



4.0838, 4.4659, 5.0899



9.9484, 13.9793, 21.5592



47.1924, 66.1574, 102.7522

Inverse Universe

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



16.5335, 15.9369, 19.9748



28.9646, 27.2960, 35.4266



16.6625, 17.3731, 16.3855



4.1427, 4.0728, 4.9493



11.6048, 5.6181, 17.0078



55.2237, 26.7458, 80.4310

Previews

White Background



This preview shows how the XYZ color 16.2311, 17.9392, 20.6963 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 16.2311, 17.9392, 20.6963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

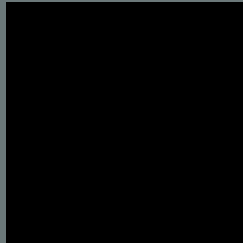
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2311, 17.9392, 20.6963

Background



This preview shows how black text looks on a background with the XYZ color 16.2311, 17.9392, 20.6963.



This preview shows how white text looks on a background with the XYZ color 16.2311, 17.9392,

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

16.2311, 17.9392, 20.6963

Protanopia

17.2988, 17.9764, 20.0108

Deuteranopia

18.1344, 17.8754, 20.9069



Tritanopia

16.6774, 17.9403, 23.0059

Trichromacy



Original Color

16.2311, 17.9392, 20.6963

Protanomaly

16.9388, 17.9578, 20.3427

Deuteranomaly

17.3660, 17.8179, 20.9363

Tritanomaly

16.4828, 17.8625, 21.9811

Monochromacy



Original Color

16.2311, 17.9392, 20.6963

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 16.2311, 17.9392, 20.6963 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(107, 120, 121)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 121)  
}
```

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(107, 120, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.2311, 17.9392, 20.6963 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(107, 120, 121) }
```


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

```
.border{ border-color:rgb(107, 120, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 120, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 121);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2311, 17.9392, 20.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 121) }
```

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

```
.background{ background-color: rgb(107,  
120, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor