

Converting Colors

XYZ(15.5353, 17.3339, 19.9811)

Have a look what the booklet for
XYZ(15.5353, 17.3339, 19.9811)
contains.

XYZ(15.6355, 17.4686, 20.0005)	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(15.6355, 17.4686,
20.0005)**

Conversions

Conversions Part 1

Format	Color
Hex	687777
RGB	104, 119, 119
RGB Percent	41%, 47%, 47%
CMY	0.5922, 0.5333, 0.5333
CMYK	0.13, 0.00, 0.00, 0.53
HSL	180°, 7%, 44%
HSV	180°, 13%, 47%
XYZ	15.6355, 17.4686, 20.0005
YIQ	114.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

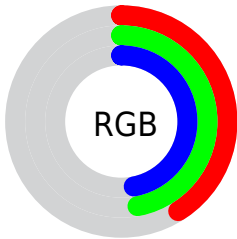
Format	Color
R_{YB}	104, 112, 119
Decimal	6846327
CIE _{Lab}	48.85, -5.54, -1.89
CIE _{LCh}	49, 5.853, 198.822
Yxy	17.4686, 0.2944, 0.3289
Android (android.graphics.Color)	4285036407 (0xFF687777)
YUV	114.5150, 2.2111, -9.2217
Hunter-Lab	41.7955, -6.3660, 0.8846

Details

The XYZ color **15.6355, 17.4686, 20.0005** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0573, 14.8225, 15.1648**, and the grayscale version is **16.1449, 16.9857, 18.4974**.

A 20% lighter version of the original color is **35.4312, 39.0347, 44.1951**, and **5.0779, 5.8313, 6.8191** is the 20% darker color. If you saturate the color by 10%, you get **14.3506, 16.8067, 19.9403**, and if you desaturate by 10%, it is **17.1164, 18.2325, 20.0706**.

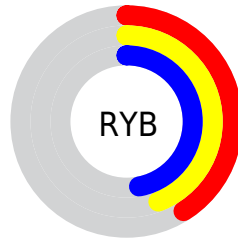
Distribution



Red (41%)

Green (47%)

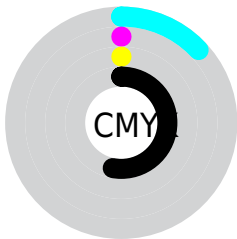
Blue (47%)



Red (41%)

Yellow (44%)

Blue (47%)

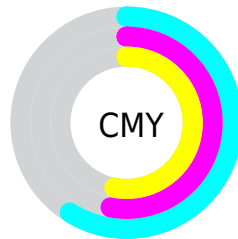


Cyan (13%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6355, 17.4686, 20.0005 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 15.6355, 17.4686, 20.0005 by changing the saturation by 10% instead.

■ 15.6355, 17.4686,
20.0005

■ 15.6355, 17.4686,
20.0005

220.4941,
237.8585, 264.5222

■ 9.3558, 10.5692,
12.2113

■ 35.5268, 39.1297,
44.2770

■ 5.0329, 5.7779,
6.7635

■ 49.8692, 54.6602,
61.6014

■ 2.3016, 2.7105,
3.2384

■ 67.6298, 73.8364,
82.9413

■ 0.7955, 0.9825,
1.2176

■ 89.1740, 97.0429,
108.7153

■ 0.0000, 0.0000,
0.0000

114.8672,
124.6639, 139.3418

145.0747,

157.0840, 175.2394

180.1619,
194.6873, 216.8267

■ 15.6355, 17.4686,
20.0005

■ 15.6355, 17.4686,
20.0005

■ 14.3506, 16.8067,
19.9403

■ 17.1164, 18.2325,
20.0706

■ 13.2520, 16.2404,
19.8885

■ 18.7994, 19.1001,
20.1498

■ 12.3316, 15.7659,
19.8450

■ 20.6922, 20.0759,
20.2388

■ 11.5800, 15.3784,
19.8094

■ 22.8018, 21.1634,
20.3379

■ 10.9869, 15.0727,
19.7812

■ 25.1347, 22.3660,
20.4475

■ 10.5410, 14.8428,
19.7600

■ 27.6971, 23.6870,
20.5678

■ 10.2293, 14.6822,
19.7450

■ 30.4952, 25.1295,
20.6992

■ 10.0365, 14.5827,
19.7355

■ 33.5347, 26.6964,
20.8418

■ 9.9263, 14.5259,
19.7301

■ 36.8213, 28.3907,
20.9961

Harmonies

Analogous

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



15.6009, 17.4686, 18.4471



15.6355, 17.4686, 20.0005



15.9260, 17.4686, 21.3586

Triad

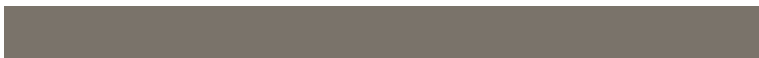
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.6355, 17.4686, 20.0005



17.4009, 17.4686, 21.0558



16.8064, 17.4686, 16.2376

Complementary

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



15.6355, 17.4686, 20.0005



15.0573, 14.8225, 15.1648

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.



17.2997, 17.4686, 16.8593



15.6355, 17.4686, 20.0005



17.6479, 17.4686, 19.6054

Square

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



15.6355, 17.4686, 20.0005



16.9422, 17.4686, 21.9904



17.6104, 17.4686, 18.0727



16.2691, 17.4686, 16.3305

Rectangle

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



15.6355, 17.4686, 20.0005



16.2294, 17.4686, 21.9441



17.6104, 17.4686, 18.0727



16.9831, 17.4686, 16.3685

Sweetspot

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



15.6360, 17.4693, 20.0009



30.2301, 32.4317, 35.9194



14.8340, 17.1519, 15.6258



7.1220, 7.6642, 8.5106



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.



15.6360, 17.4693, 20.0009



27.3253, 30.9343, 35.7826



14.8058, 15.8087, 19.7246



3.7833, 4.1553, 4.6928



10.5456, 15.4322, 20.9611



51.3898, 75.2032, 102.1447

Inverse Universe

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



15.0573, 14.8225, 15.1648



26.0841, 25.2567, 25.4091



15.8188, 16.3455, 15.4182



3.6840, 3.7009, 3.8625



8.0829, 4.1669, 0.3787



39.3887, 20.3056, 1.8442

Previews

White Background



This preview shows how the XYZ color 15.6355, 17.4686, 20.0005 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 15.6355, 17.4686, 20.0005 looks on a black 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

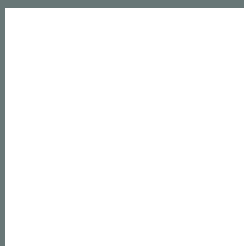
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6355, 17.4686, 20.0005

Background



This preview shows how black text looks on a background with the XYZ color 15.6355, 17.4686, 20.0005.



This preview shows how white text looks on a background with the XYZ color 15.6355, 17.4686,

20.0005.

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

15.6355, 17.4686, 20.0005

Protanopia

16.8128, 17.3974, 19.3015

Deuteranopia

17.6418, 17.3044, 20.1796



Tritanopia

16.1349, 17.4924, 22.6046

Trichromacy



Original Color

15.6355, 17.4686, 20.0005

Protanomaly

16.3255, 17.3095, 19.6202

Deuteranomaly

16.8570, 17.3994, 20.2393

Tritanomaly

15.9422, 17.4154, 21.5900

Monochromacy



Original Color

15.6355, 17.4686, 20.0005

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.9533, 17.1312, 18.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6355, 17.4686, 20.0005 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(104, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(104, 119, 119)  
}
```

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(104, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.6355, 17.4686, 20.0005 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(104, 119, 119) }
```


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

```
.border{ border-color:rgb(104, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(104, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6355, 17.4686, 20.0005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 119, 119) }
```

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

```
.background{ background-color: rgb(104,  
119, 119) }
```

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