

Converting Colors

XYZ(16.6124, 17.4458, 20.3321)

Have a look what the booklet for
XYZ(16.6124, 17.4458, 20.3321)
contains.

XYZ(16.5750, 17.4243, 20.2589)	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(16.5750, 17.4243,
20.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	727478
RGB	114, 116, 120
RGB Percent	45%, 45%, 47%
CMY	0.5529, 0.5451, 0.5294
CMYK	0.05, 0.03, 0.00, 0.53
HSL	220°, 3%, 46%
HSV	220°, 5%, 47%
XYZ	16.5750, 17.4243, 20.2589
YIQ	115.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

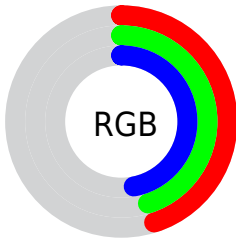
Format	Color
R_{YB}	114, 116, 120
Decimal	7500920
CIE Lab	48.79, 0.08, -2.47
CIE LCh	49, 2.472, 271.788
Yxy	17.4243, 0.3055, 0.3211
Android (android.graphics.Color)	4285691000 (0xFF727478)
YUV	115.8580, 2.0420, -1.6295
Hunter-Lab	41.7424, -2.1708, 0.4444

Details

The XYZ color **16.5750, 17.4243, 20.2589** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2614, 18.1646, 18.5162**, and the grayscale version is **16.5519, 17.4139, 18.9637**.

A 20% lighter version of the original color is **37.1749, 39.0908, 44.6157**, and **5.4836, 5.7604, 6.9537** is the 20% darker color. If you saturate the color by 10%, you get **14.2331, 14.9076, 19.8968**, and if you desaturate by 10%, it is **19.2020, 20.2067, 20.6578**.

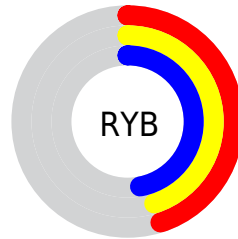
Distribution



Red (45%)

Green (45%)

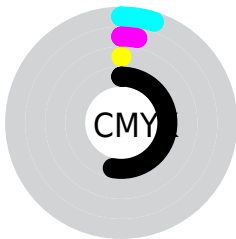
Blue (47%)



Red (45%)

Yellow (45%)

Blue (47%)

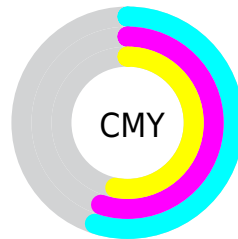


Cyan (5%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5750, 17.4243, 20.2589 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 16.5750, 17.4243, 20.2589 by changing the saturation by 10% instead.

■ 16.5750, 17.4243,
20.2589

■ 16.5750, 17.4243,
20.2589

225.9155,
237.6058, 265.9637

■ 10.0254, 10.5375,
12.3974

■ 37.1430, 39.0539,
44.7155

■ 5.4782, 5.7567,
6.8891

■ 51.8921, 54.5654,
62.1477

■ 2.5681, 2.6977,
3.3155

■ 70.1051, 73.7206,
83.6072

■ 0.9297, 0.9760,
1.2579

■ 92.1473, 96.9039,
109.5126

■ 0.0000, 0.0000,
0.0269

118.3841,
124.4997, 140.2824

■ 0.0000, 0.0000,
0.0000

149.1808,

156.8923, 176.3352

184.9028,
194.4662, 218.0894

■ 16.5750, 17.4243,
20.2589

■ 16.5750, 17.4243,
20.2589

■ 14.2331, 14.9076,
19.8968

■ 19.2020, 20.2067,
20.6578

■ 12.1650, 12.6464,
19.5694

■ 22.1221, 23.2604,
21.0933

■ 10.3607, 10.6329,
19.2758

■ 25.3447, 26.5934,
21.5668

■ 8.8089, 8.8582,
19.0151

■ 28.8784, 30.2129,
22.0791

■ 7.4977, 7.3127,
18.7859

■ 32.7314, 34.1255,
22.6313

■ 6.4140, 5.9861,
18.5869

■ 36.9115, 38.3379,
23.2241

■ 5.5433, 4.8674,
18.4169

■ 41.4265, 42.8566,
23.8583

■ 4.8694, 3.9441,
18.2742

■ 46.2838, 47.6875,
24.5347

■ 4.3676, 3.1993,
18.1569

■ 51.4903, 52.8368,
25.2542

Harmonies

Analogous

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



16.3543, 17.4243, 20.1036



16.5750, 17.4243, 20.2589



16.7940, 17.4243, 20.0628

Triad

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



16.5750, 17.4243, 20.2589



16.9379, 17.4243, 18.3164



16.1768, 17.4243, 18.3830

Complementary

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



16.5750, 17.4243, 20.2589



17.2614, 18.1646, 18.5162

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.



16.3307, 17.4243, 17.9216



16.5750, 17.4243, 20.2589



16.7700, 17.4243, 17.8838

Square

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



16.5750, 17.4243, 20.2589



17.0047, 17.4243, 18.9328



16.5476, 17.4243, 17.7410



16.1256, 17.4243, 19.0114

Rectangle

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



16.5750, 17.4243, 20.2589



16.9092, 17.4243, 19.7618



16.5476, 17.4243, 17.7410



16.2182, 17.4243, 18.2037

Sweetspot

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



16.5755, 17.4250, 20.2593



30.9286, 32.5357, 35.9030



16.9202, 18.3162, 19.7522



7.3380, 7.7194, 8.5099



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.



16.5755, 17.4250, 20.2593



28.6553, 30.1159, 35.5557



16.4648, 17.0290, 20.1887



4.0608, 4.2675, 5.0529



4.5157, 3.1139, 19.7483



20.8314, 13.4353, 93.9651

Inverse Universe

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



16.9158, 17.2890, 18.9695



29.3871, 29.8284, 32.7813



17.3755, 18.5771, 18.5898



4.1683, 4.2254, 4.6451



8.8626, 4.5212, 2.5677



41.9178, 21.4235, 10.3634

Previews

White Background



This preview shows how the XYZ color 16.5750, 17.4243, 20.2589 looks on a white background.

Color Contrast Check

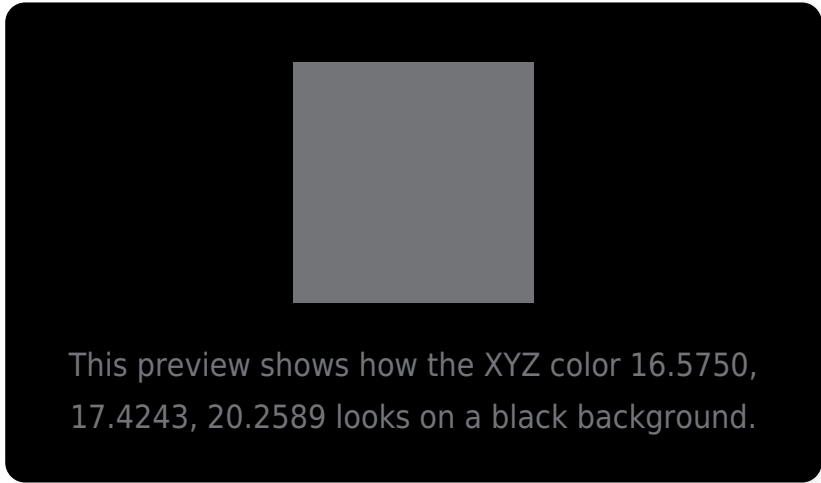
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

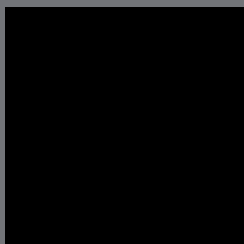
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

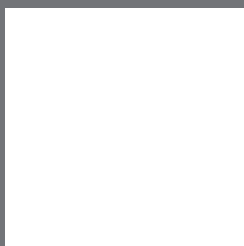
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5750, 17.4243, 20.2589

Background



This preview shows how black text looks on a background with the XYZ color 16.5750, 17.4243, 20.2589.



This preview shows how white text looks on a background with the XYZ color 16.5750, 17.4243,

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

16.5750, 17.4243, 20.2589

Protanopia

16.8570, 17.3994, 20.2393

Deuteranopia

17.7028, 17.3288, 20.5009



Tritanopia

16.8391, 17.3615, 21.5324

Trichromacy



Original Color

16.5750, 17.4243, 20.2589

Protanomaly

16.7234, 17.3305, 20.2330

Deuteranomaly

17.2415, 17.2557, 20.5111

Tritanomaly

16.7761, 17.3364, 21.2009

Monochromacy



Original Color

16.5750, 17.4243, 20.2589

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5265, 17.4200, 19.3210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5750, 17.4243, 20.2589 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(114, 116, 120)` looks like.

```
.text, #text, p{  
    color:rgb(114, 116, 120)  
}
```

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(114, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.5750, 17.4243, 20.2589 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(114, 116, 120) }
```


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

```
.border{ border-color:rgb(114, 116, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 116, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5750, 17.4243, 20.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 120) }
```

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

```
.background{ background-color: rgb(114,  
116, 120) }
```

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