

Converting Colors

XYZ(14.7568, 16.4114, 20.1835)

Have a look what the booklet for
XYZ(14.7568, 16.4114, 20.1835)
contains.

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Color

**XYZ(14.7811, 16.4995,
20.1750)**

Conversions

Conversions Part 1

Format	Color
Hex	637478
RGB	99, 116, 120
RGB Percent	39%, 45%, 47%
CMY	0.6118, 0.5451, 0.5294
CMYK	0.18, 0.03, 0.00, 0.53
HSL	191°, 10%, 43%
HSV	191°, 18%, 47%
XYZ	14.7811, 16.4995, 20.1750
YIQ	111.3730, -11.4160, -2.3600

Conversions

Conversions Part 2

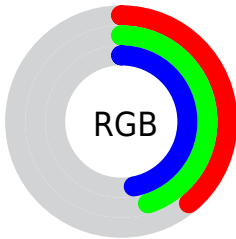
Format	Color
R_{YB}	99, 108, 120
Decimal	6517880
CIE _{Lab}	47.62, -5.36, -4.33
CIE _{LCh}	48, 6.885, 218.916
Y _{xy}	16.4995, 0.2873, 0.3207
Android (android.graphics.Color)	4284707960 (0xFF637478)
Y_{UV}	111.3730, 4.2531, -10.8511
Hunter-Lab	40.6196, -6.1297, -1.0146

Details

The XYZ color **14.7811, 16.4995, 20.1750** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8481, 14.5943, 13.8389**, and the grayscale version is **15.2086, 16.0006, 17.4247**.

A 20% lighter version of the original color is **34.0267, 37.4679, 44.4683**, and **4.6530, 5.3322, 6.9149** is the 20% darker color. If you saturate the color by 10%, you get **13.3063, 15.3535, 20.0318**, and if you desaturate by 10%, it is **16.4582, 17.7603, 20.3302**.

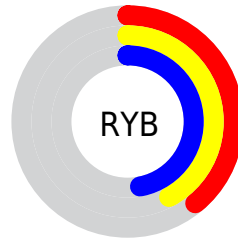
Distribution



Red (39%)

Green (45%)

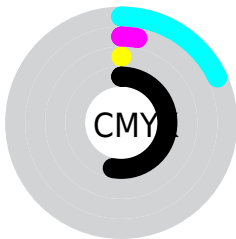
Blue (47%)



Red (39%)

Yellow (42%)

Blue (47%)

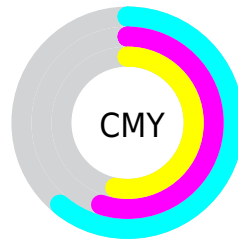


Cyan (18%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7811, 16.4995, 20.1750 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 14.7811, 16.4995, 20.1750 by changing the saturation by 10% instead.

■ 14.7811, 16.4995,
20.1750

■ 14.7811, 16.4995,
20.1750

215.4522,
232.2714, 265.4964

■ 8.7512, 9.8783,
12.3370

■ 34.0435, 37.4632,
44.5732

■ 4.6351, 5.3183,
6.8483

■ 48.0068, 52.5745,
61.9705

■ 2.0673, 2.4352,
3.2904

■ 65.3452, 71.2846,
83.3912

■ 0.6714, 0.8439,
1.2448

■ 86.4241, 93.9780,
109.2540

■ 0.0000, 0.0000,
0.0159

111.6089,
121.0389, 139.9774

■ 0.0000, 0.0000,
0.0000

141.2650,

152.8519, 175.9799

175.7576,
189.8012, 217.6801

■ 14.7811, 16.4995,
20.1750

■ 14.7811, 16.4995,
20.1750

■ 13.3063, 15.3535,
20.0318

■ 16.4582, 17.7603,
20.3302

■ 12.0237, 14.3157,
19.8991

■ 18.3442, 19.1381,
20.4968

■ 10.9247, 13.3819,
19.7768

■ 20.4472, 20.6375,
20.6753

■ 9.9990, 12.5470,
19.6644

■ 22.7745, 22.2623,
20.8663

■ 9.2358, 11.8051,
19.5614

■ 25.3330, 24.0162,
21.0700

■ 8.6226, 11.1499,
19.4673

■ 28.1293, 25.9026,
21.2867

■ 8.1454, 10.5739,
19.3813

■ 31.1696, 27.9248,
21.5168

■ 7.7698, 10.0595,
19.3018

■ 34.4601, 30.0861,
21.7605

■ 7.6792, 9.9340,
19.2823

■ 38.0067, 32.3895,
22.0182

Harmonies

Analogous

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



14.5441, 16.4995, 18.4945



14.7811, 16.4995, 20.1750



15.2612, 16.4995, 21.3099

Triad

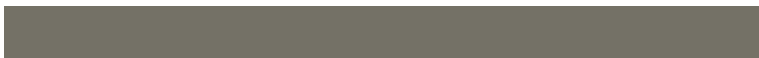
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.7811, 16.4995, 20.1750



16.8104, 16.4995, 19.2097



15.4999, 16.4995, 14.8262

Complementary

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



14.7811, 16.4995, 20.1750



14.8481, 14.5943, 13.8389

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.



16.1110, 16.4995, 14.9901



14.7811, 16.4995, 20.1750



16.8783, 16.4995, 17.4460

Square

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



14.7811, 16.4995, 20.1750



16.4360, 16.4995, 20.7278



16.6194, 16.4995, 15.9229



14.9519, 16.4995, 15.4596

Rectangle

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



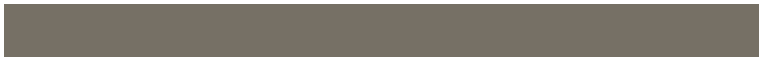
14.7811, 16.4995, 20.1750



15.6599, 16.4995, 21.5640



16.6194, 16.4995, 15.9229



15.7046, 16.4995, 14.7908

Sweetspot

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



14.7816, 16.5002, 20.1754



29.7014, 31.7939, 35.8245



14.3029, 17.0621, 15.3322



6.9957, 7.5030, 8.4862



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.



14.7816, 16.5002, 20.1754



24.9144, 28.1873, 35.3806



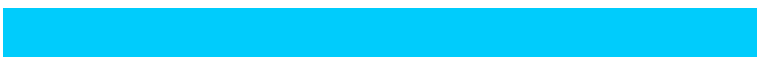
13.6540, 14.2450, 19.7995



4.0453, 4.3889, 5.0771



8.3678, 10.8181, 21.0324



39.3270, 50.4266, 100.1303

Inverse Universe

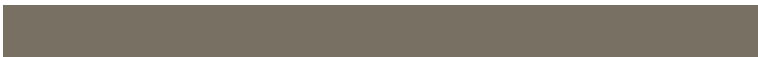
The Inverse Universe completely reimagines the original color for something new.



15.3603, 14.1780, 18.4509



26.1433, 23.3409, 31.6998



15.9424, 16.7827, 14.2037



4.1233, 4.0651, 4.8471



10.8070, 5.2990, 12.8065



51.2536, 25.1578, 59.5248

Previews

White Background



This preview shows how the XYZ color 14.7811, 16.4995, 20.1750 looks on a white background.

Color Contrast Check

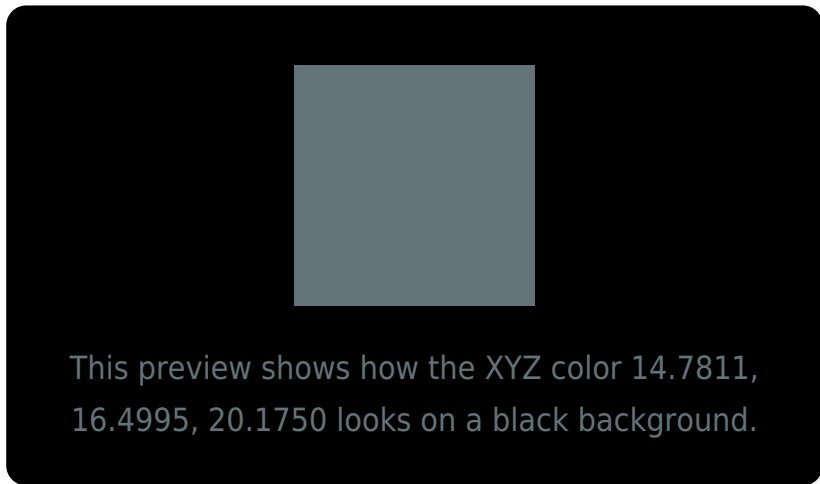
Large Text (above 18pt) WCAG AA ✓ Pass

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

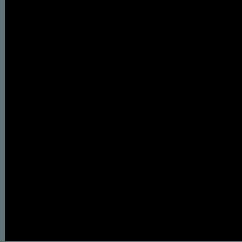
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

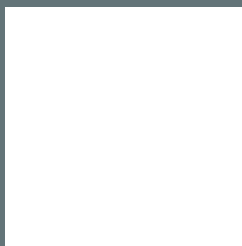
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7811, 16.4995, 20.1750

Background



This preview shows how black text looks on a background with the XYZ color 14.7811, 16.4995, 20.1750.



This preview shows how white text looks on a background with the XYZ color 14.7811, 16.4995,

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

14.7811, 16.4995, 20.1750

Protanopia

15.8742, 16.4071, 19.4698

Deuteranopia

16.7728, 16.5254, 20.3949



Tritanopia

15.0244, 16.4260, 21.4475

Trichromacy



Original Color

14.7811, 16.4995, 20.1750

Protanomaly

15.4192, 16.3303, 19.7921

Deuteranomaly

15.9275, 16.4136, 20.4178

Tritanomaly

14.9614, 16.4009, 21.1160

Monochromacy



Original Color

14.7811, 16.4995, 20.1750

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0058, 16.1510, 18.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7811, 16.4995, 20.1750 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(99, 116, 120) looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.7811, 16.4995, 20.1750 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(99, 116, 120) }
```


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

```
.border{ border-color:rgb(99, 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(99, 116, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7811, 16.4995, 20.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 120) }
```

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

```
.background{ background-color: rgb(99, 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](#).

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