

Converting Colors

XYZ(15.0081, 16.8200, 18.8158)

Have a look what the booklet for
XYZ(15.0081, 16.8200, 18.8158)
contains.

XYZ(14.9353, 16.7852, 18.6723)	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(14.9353, 16.7852,
18.6723)**

Conversions

Conversions Part 1

Format	Color
Hex	667573
RGB	102, 117, 115
RGB Percent	40%, 46%, 45%
CMY	0.6000, 0.5412, 0.5490
CMYK	0.13, 0.00, 0.02, 0.54
HSL	172°, 7%, 43%
HSV	172°, 13%, 46%
XYZ	14.9353, 16.7852, 18.6723
YIQ	112.2870, -8.2980, -3.8020

Conversions

Conversions Part 2

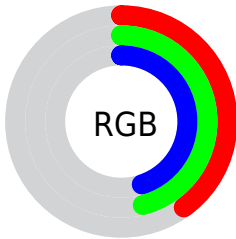
Format	Color
R_{YB}	102, 110, 117
Decimal	6714739
CIE _{Lab}	47.99, -6.00, -0.79
CIE _{LCh}	48, 6.051, 187.514
Yxy	16.7852, 0.2964, 0.3331
Android (android.graphics.Color)	4284904819 (0xFF667573)
YUV	112.2870, 1.3375, -9.0217
Hunter-Lab	40.9697, -6.6258, 1.6569

Details

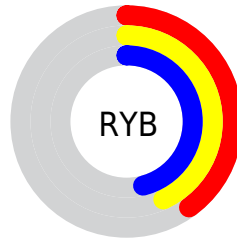
The XYZ color **14.9353, 16.7852, 18.6723** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5868, 14.2846, 15.0859**, and the grayscale version is **15.4837, 16.2901, 17.7399**.

A 20% lighter version of the original color is **34.2999, 37.9383, 42.0742**, and **4.7168, 5.4737, 6.1181** is the 20% darker color. If you saturate the color by 10%, you get **13.6128, 16.1142, 18.1456**, and if you desaturate by 10%, it is **16.4475, 17.5547, 19.2165**.

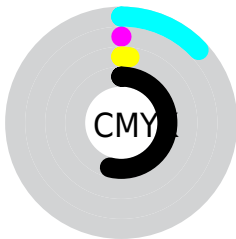
Distribution



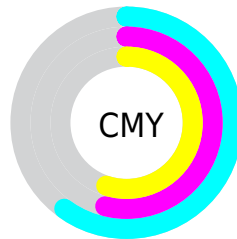
- Red (40%)
- Green (46%)
- Blue (45%)



- Red (40%)
- Yellow (43%)
- Blue (46%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9353, 16.7852, 18.6723 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 14.9353, 16.7852, 18.6723 by changing the saturation by 10% instead.

■ 14.9353, 16.7852,
18.6723

■ 14.9353, 16.7852,
18.6723

216.3704,
233.9315, 256.9958

■ 8.8600, 10.0815,
11.2593

■ 34.3122, 37.9561,
42.0089

■ 4.7064, 5.4530,
6.1252

■ 48.3446, 53.1920,
58.7696

■ 2.1090, 2.5154,
2.8513

■ 65.7600, 72.0408,
79.4834

■ 0.6941, 0.8843,
1.0192

■ 86.9238, 94.8869,
104.5686

■ 0.0000, 0.0000,
0.0000

112.2014,
122.1146, 134.4440

141.9581,

154.1083, 169.5279

176.5594,
191.2525, 210.2390

■ 14.9353, 16.7852,
18.6723

■ 14.9353, 16.7852,
18.6723

■ 13.6128, 16.1142,
18.1456

■ 16.4475, 17.5547,
19.2165

■ 12.4708, 15.5356,
17.6349

■ 18.1552, 18.4245,
19.7775

■ 11.5012, 15.0457,
17.1402

■ 20.0659, 19.3987,
20.3560

■ 10.6953, 14.6400,
16.6609

■ 22.1863, 20.4807,
20.9524

■ 10.0430, 14.3133,
16.1967

■ 24.5226, 21.6740,
21.5670

■ 9.5335, 14.0601,
15.7469

■ 27.0809, 22.9815,
22.2002

■ 9.1544, 13.8739,
15.3108

■ 29.8670, 24.4062,
22.8521

■ 8.8903, 13.7469,
14.8879

■ 32.8865, 25.9511,
23.5232

■ 8.7296, 13.6704,
14.5903

■ 36.1447, 27.6188,
24.2137

Harmonies

Analogous

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



15.0032, 16.7852, 17.1501



14.9353, 16.7852, 18.6723



15.1354, 16.7852, 20.1693

Triad

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



14.9353, 16.7852, 18.6723



16.6018, 16.7852, 20.7668



16.3588, 16.7852, 15.6361

Complementary

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



14.9353, 16.7852, 18.6723



14.5868, 14.2846, 15.0859

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.



16.8013, 16.7852, 16.5055



14.9353, 16.7852, 18.6723



16.9438, 16.7852, 19.4506

Square

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



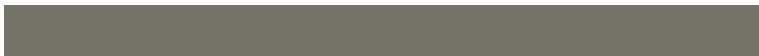
14.9353, 16.7852, 18.6723



16.0915, 16.7852, 21.4226



17.0176, 16.7852, 17.8858



15.8169, 16.7852, 15.4540

Rectangle

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



14.9353, 16.7852, 18.6723



15.3965, 16.7852, 20.9320



17.0176, 16.7852, 17.8858



16.5245, 16.7852, 15.8551

Sweetspot

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



14.9358, 16.7859, 18.6727



29.0849, 31.2474, 34.2829



14.4981, 16.6407, 15.0185



6.6463, 7.1635, 7.8680



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



14.9358, 16.7859, 18.6727



26.1048, 29.7322, 33.1906



14.4575, 15.6430, 19.0879



3.7633, 4.1473, 4.5875



9.6136, 15.0595, 16.0534



46.6203, 73.2954, 77.0285

Inverse Universe

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



14.5868, 14.2846, 15.0859



25.3676, 24.4475, 25.6130



15.0188, 15.3094, 14.7341



3.7020, 3.7081, 3.9577



8.1789, 4.2053, 0.8841



39.6680, 20.4173, 3.3150

Previews

White Background



This preview shows how the XYZ color 14.9353, 16.7852, 18.6723 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 14.9353, 16.7852, 18.6723 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

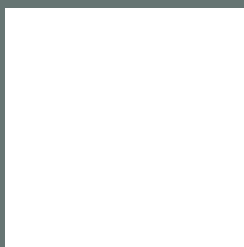
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9353, 16.7852, 18.6723

Background



This preview shows how black text looks on a background with the XYZ color 14.9353, 16.7852, 18.6723.



This preview shows how white text looks on a background with the XYZ color 14.9353, 16.7852,

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

14.9353, 16.7852, 18.6723

Protanopia

16.0882, 16.7155, 18.0013

Deuteranopia

16.8967, 16.6238, 18.8412



Tritanopia

15.6560, 16.9145, 21.8417

Trichromacy



Original Color

14.9353, 16.7852, 18.6723

Protanomaly

15.6101, 16.6290, 18.3066

Deuteranomaly

16.1277, 16.7160, 18.8995

Tritanomaly

15.2901, 16.7548, 20.5173

Monochromacy



Original Color

14.9353, 16.7852, 18.6723

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1823, 16.4150, 17.9910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9353, 16.7852, 18.6723 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(102, 117, 115)` looks like.

```
.text, #text, p{  
    color:rgb(102, 117, 115)  
}
```

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(102, 117, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 117, 115) }
```

Border

The CSS property to change the border of an element to XYZ 14.9353, 16.7852, 18.6723 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(102, 117, 115) }
```


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

```
.border{ border-color:rgb(102, 117, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 117, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 117, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 117, 115);  
box-shadow:4px 4px 4px 4px rgb(102, 117,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9353, 16.7852, 18.6723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 117, 115) }
```

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

```
.background{ background-color: rgb(102,  
117, 115) }
```

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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