

Converting Colors

XYZ(14.8475, 16.8202, 20.4023)

Have a look what the booklet for
XYZ(14.8475, 16.8202, 20.4023)
contains.

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Color

**XYZ(14.9666, 16.9340,
20.5689)**

Conversions

Conversions Part 1

Format	Color
Hex	627679
RGB	98, 118, 121
RGB Percent	38%, 46%, 47%
CMY	0.6157, 0.5372, 0.5255
CMYK	0.19, 0.02, 0.00, 0.53
HSL	188°, 11%, 43%
HSV	188°, 19%, 47%
XYZ	14.9666, 16.9340, 20.5689
YIQ	112.3620, -12.8830, -3.3070

Conversions

Conversions Part 2

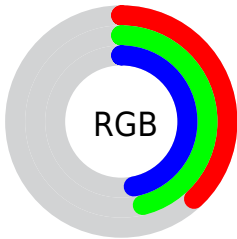
Format	Color
R_{YB}	98, 109, 121
Decimal	6452857
CIE _{Lab}	48.18, -6.62, -4.11
CIE _{LCh}	48, 7.794, 211.807
Yxy	16.9340, 0.2852, 0.3227
Android (android.graphics.Color)	4284642937 (0xFF627679)
YUV	112.3620, 4.2585, -12.5955
Hunter-Lab	41.1509, -7.0937, -0.8299

Details

The XYZ color **14.9666, 16.9340, 20.5689** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7435, 14.2541, 13.5298**, and the grayscale version is **15.4984, 16.3055, 17.7567**.

A 20% lighter version of the original color is **34.3120, 38.1561, 45.0916**, and **4.7580, 5.5652, 7.1267** is the 20% darker color. If you saturate the color by 10%, you get **13.5744, 15.9433, 20.4513**, and if you desaturate by 10%, it is **16.5603, 18.0341, 20.6975**.

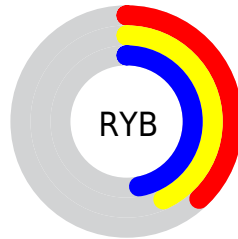
Distribution



Red (38%)

Green (46%)

Blue (47%)



Red (38%)

Yellow (43%)

Blue (47%)

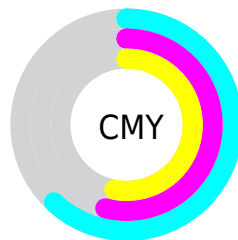


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (53%)



Cyan (62%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9666, 16.9340, 20.5689 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 14.9666, 16.9340, 20.5689 by changing the saturation by 10% instead.

■ 14.9666, 16.9340,
20.5689

■ 14.9666, 16.9340,
20.5689

216.5564,
234.7918, 267.6839

■ 8.8821, 10.1874,
12.6211

■ 34.3667, 38.2123,
45.2404

■ 4.7209, 5.5234,
7.0405

■ 48.4130, 53.5128,
62.8011

■ 2.1175, 2.5575,
3.4086

■ 65.8440, 72.4334,
84.4033

■ 0.6987, 0.9054,
1.3069

■ 87.0251, 95.3585,
110.4654

■ 0.0000, 0.0000,
0.0674

112.3214,
122.6725, 141.4059

■ 0.0000, 0.0000,
0.0000

142.0985,

154.7597, 177.6435

176.7217,
192.0047, 219.5966

■ 14.9666, 16.9340,
20.5689

■ 14.9666, 16.9340,
20.5689

■ 13.5744, 15.9433,
20.4513

■ 16.5603, 18.0341,
20.6975

■ 12.3734, 15.0552,
20.3432

■ 18.3623, 19.2458,
20.8364

■ 11.3545, 14.2657,
20.2445

■ 20.3809, 20.5738,
20.9864

■ 10.5074, 13.5692,
20.1547

■ 22.6236, 22.0220,
21.1477

■ 9.8207, 12.9600,
20.0733

■ 25.0974, 23.5940,
21.3207

■ 9.2816, 12.4314,
19.9997

■ 27.8089, 25.2933,
21.5058

■ 8.8753, 11.9756,
19.9332

■ 30.7648, 27.1233,
21.7033

■ 8.5570, 11.5697,
19.8716

■ 33.9713, 29.0873,
21.9133

■ 8.5260, 11.5300,
19.8656

■ 37.4342, 31.1882,
22.1363

Harmonies

Analogous

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



14.7735, 16.9340, 18.5614



14.9666, 16.9340, 20.5689



15.4611, 16.9340, 22.0897

Triad

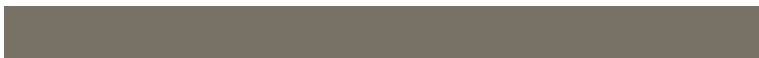
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.9666, 16.9340, 20.5689



17.3243, 16.9340, 20.3409



16.0524, 16.9340, 14.8118

Complementary

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



14.9666, 16.9340, 20.5689



14.7435, 14.2541, 13.5298

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.



16.7466, 16.9340, 15.2131



14.9666, 16.9340, 20.5689



17.4936, 16.9340, 18.3157

Square

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



14.9666, 16.9340, 20.5689



16.8230, 16.9340, 21.9514



17.2793, 16.9340, 16.4601



15.3888, 16.9340, 15.3214

Rectangle

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



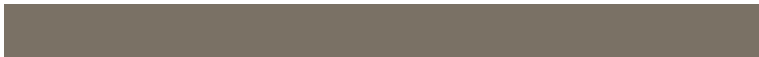
14.9666, 16.9340, 20.5689



15.9022, 16.9340, 22.5697



17.2793, 16.9340, 16.4601



16.2899, 16.9340, 14.8445

Sweetspot

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



14.9671, 16.9347, 20.5693



30.5382, 32.8931, 37.1324



14.2081, 17.2051, 14.8031



6.9479, 7.4976, 8.4877



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.



14.9671, 16.9347, 20.5693



25.6192, 29.4909, 36.7349



13.7271, 14.4546, 20.1559



4.0646, 4.4276, 5.0836



9.1311, 12.3446, 21.2868



43.1150, 58.0026, 101.3930

Inverse Universe

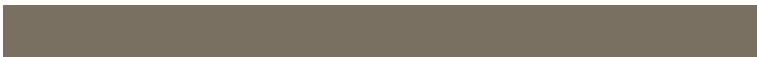
The Inverse Universe completely reimagines the original color for something new.



15.5232, 14.1086, 19.0454



26.8271, 23.4456, 33.4045



15.9044, 16.5759, 13.9168



4.1331, 4.0690, 4.8985



11.1923, 5.4531, 14.8353



53.1656, 25.9226, 69.5932

Previews

White Background



This preview shows how the XYZ color 14.9666, 16.9340, 20.5689 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 14.9666, 16.9340, 20.5689 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

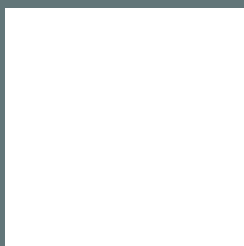
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9666, 16.9340, 20.5689

Background



This preview shows how black text looks on a background with the XYZ color 14.9666, 16.9340, 20.5689.



This preview shows how white text looks on a background with the XYZ color 14.9666, 16.9340,

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

14.9666, 16.9340, 20.5689

Protanopia

16.2454, 16.7631, 19.5189

Deuteranopia

17.0824, 16.8390, 20.7623



Tritanopia

15.2728, 16.8816, 22.1922

Trichromacy



Original Color

14.9666, 16.9340, 20.5689

Protanomaly

15.7672, 16.8446, 19.8731

Deuteranomaly

16.3402, 16.9505, 20.8229

Tritanomaly

15.1450, 16.8305, 21.5192

Monochromacy



Original Color

14.9666, 16.9340, 20.5689

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1752, 16.3982, 18.5850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9666, 16.9340, 20.5689 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(98, 118, 121) looks like.

```
.text, #text, p{  
    color:rgb(98, 118, 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(98, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 118, 121) }
```

Border

The CSS property to change the border of an element to XYZ 14.9666, 16.9340, 20.5689 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(98, 118, 121) }
```


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

```
.border{ border-color:rgb(98, 118, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 118, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 118, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 118, 121);  
box-shadow:4px 4px 4px 4px rgb(98, 118,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9666, 16.9340, 20.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 118, 121) }
```

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

```
.background{ background-color: rgb(98, 118,  
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](#).

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