

Converting Colors

XYZ(16.9714, 20.5478, 23.4937)

Have a look what the booklet for
XYZ(16.9714, 20.5478, 23.4937)
contains.

XYZ(16.9714, 20.5478, 23.4937)	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(16.9714, 20.5478,
23.4937)**

Conversions

Conversions Part 1

Format	Color
Hex	608480
RGB	96, 132, 128
RGB Percent	38%, 52%, 50%
CMY	0.6235, 0.4823, 0.4980
CMYK	0.27, 0.00, 0.03, 0.48
HSL	173°, 16%, 45%
HSV	173°, 27%, 52%
XYZ	16.9714, 20.5478, 23.4937
YIQ	120.7800, -20.1720, -8.8760

Conversions

Conversions Part 2

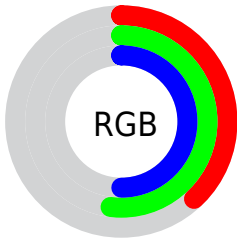
Format	Color
R_{YB}	96, 115, 132
Decimal	6325376
CIE _{Lab}	52.45, -13.49, -1.94
CIE _{LCh}	52, 13.631, 188.176
Yxy	20.5478, 0.2782, 0.3368
Android (android.graphics.Color)	4284515456 (0xFF608480)
YUV	120.7800, 3.5595, -21.7321
Hunter-Lab	45.3297, -12.4967, 1.0017

Details

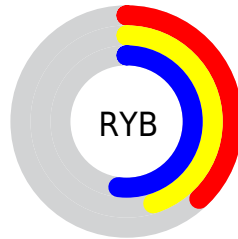
The XYZ color **16.9714, 20.5478, 23.4937** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.9995, 14.1919, 13.9535**, and the grayscale version is **18.0970, 19.0394, 20.7339**.

A 20% lighter version of the original color is **37.9022, 44.3300, 50.2750**, and **5.6475, 7.2275, 8.4945** is the 20% darker color. If you saturate the color by 10%, you get **15.6018, 19.8534, 22.9295**, and if you desaturate by 10%, it is **18.5768, 21.3647, 24.0771**.

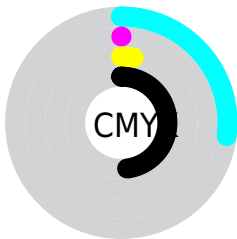
Distribution



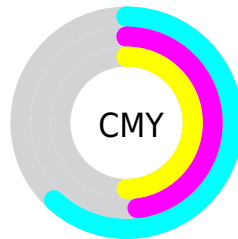
- Red (38%)
- Green (52%)
- Blue (50%)



- Red (38%)
- Yellow (45%)
- Blue (52%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



- Cyan (62%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9714, 20.5478, 23.4937 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 16.9714, 20.5478, 23.4937 by changing the saturation by 10% instead.

■ 16.9714, 20.5478,
23.4937

■ 16.9714, 20.5478,
23.4937

228.1670,
254.8654, 283.4544

■ 10.3093, 12.7939,
14.7498

■ 37.8206, 44.3337,
50.1361

■ 5.6683, 7.2868,
8.4993

■ 52.7384, 61.1345,
68.8717

■ 2.6832, 3.6421,
4.3237

■ 71.1387, 81.7197,
91.7749

■ 0.9885, 1.4754,
1.8046

■ 93.3871, 106.4737,
119.2643

■ 0.0000, 0.2713,
0.4310

119.8487,
135.7808, 151.7584

■ 0.0000, 0.0000,
0.0000

150.8890,

170.0256, 189.6758

186.8733,
209.5923, 233.4349

■ 16.9714, 20.5478,
23.4937

■ 16.9714, 20.5478,
23.4937

■ 15.6018, 19.8534,
22.9295

■ 18.5768, 21.3647,
24.0771

■ 14.4546, 19.2729,
22.3825

■ 20.4271, 22.3071,
24.6789

■ 13.5178, 18.8007,
21.8526

■ 22.5330, 23.3812,
25.3000

■ 12.7773, 18.4296,
21.3391

■ 24.9041, 24.5918,
25.9408

■ 12.2177, 18.1515,
20.8412

■ 27.5494, 25.9437,
26.6019

■ 11.8209, 17.9572,
20.3581

■ 30.4778, 27.4412,
27.2837

■ 11.5507, 17.8280,
19.8880

■ 33.6973, 29.0887,
27.9866

■ 11.4819, 17.7953,
19.7613

■ 37.2160, 30.8903,
28.7110

■ 41.0415, 32.8498,
29.4573

Harmonies

Analogous

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



17.1235, 20.5478, 19.6131



16.9714, 20.5478, 23.4937



17.4785, 20.5478, 27.5147

Triad

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



16.9714, 20.5478, 23.4937



21.2513, 20.5478, 29.0373



20.5537, 20.5478, 15.9205

Complementary

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



16.9714, 20.5478, 23.4937



15.9995, 14.1919, 13.9535

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.



21.7362, 20.5478, 17.9155



16.9714, 20.5478, 23.4937



22.1522, 20.5478, 25.3805

Square

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



16.9714, 20.5478, 23.4937



19.9175, 20.5478, 30.9571



22.3338, 20.5478, 21.2886



19.1477, 20.5478, 15.5435

Rectangle

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



16.9714, 20.5478, 23.4937



18.1372, 20.5478, 29.6274



22.3338, 20.5478, 21.2886



20.9925, 20.5478, 16.4115

Sweetspot

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



16.9720, 20.5486, 23.4942



35.6673, 39.1326, 43.3726



15.6409, 20.0686, 14.1160



8.1974, 9.0565, 10.0645



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.9720, 20.5486, 23.4942



28.2889, 35.3796, 40.7367



15.4913, 17.1574, 24.3259



4.7799, 5.2702, 5.8523



11.1181, 17.2301, 19.1394



0.0401, 0.0603, 0.0746

Inverse Universe

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



15.9995, 14.1919, 13.9535



26.2674, 22.1559, 20.8966



17.1821, 16.8595, 13.4153



4.6921, 4.6965, 4.9908



9.2960, 4.7827, 0.8651



0.0335, 0.0171, 0.0097

Previews

White Background



This preview shows how the XYZ color 16.9714, 20.5478, 23.4937 looks on a white 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

Black Background



This preview shows how the XYZ color 16.9714, 20.5478, 23.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

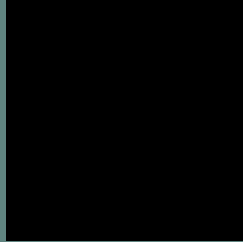
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9714, 20.5478, 23.4937

Background



This preview shows how black text looks on a background with the XYZ color 16.9714, 20.5478, 23.4937.



This preview shows how white text looks on a background with the XYZ color 16.9714, 20.5478,

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

16.9714, 20.5478, 23.4937

Protanopia

19.5352, 20.3574, 21.6386

Deuteranopia

20.6982, 20.3548, 23.9570



Tritanopia

17.9359, 20.5410, 28.2188

Trichromacy



Original Color

16.9714, 20.5478, 23.4937

Protanomaly

18.4935, 20.3724, 22.3596

Deuteranomaly

19.0418, 20.2453, 23.6730

Tritanomaly

17.5972, 20.6068, 26.3426

Monochromacy



Original Color

16.9714, 20.5478, 23.4937

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.6538, 19.5672, 21.9152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9714, 20.5478, 23.4937 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(96, 132, 128) looks like.

```
.text, #text, p{  
    color:rgb(96, 132, 128)  
}
```

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(96, 132, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 132, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.9714, 20.5478, 23.4937 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(96, 132, 128) }
```


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

```
.border{ border-color:rgb(96, 132, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 132, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 132, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 132, 128);  
box-shadow:4px 4px 4px 4px rgb(96, 132,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9714, 20.5478, 23.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 132, 128) }
```

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

```
.background{ background-color: rgb(96, 132,  
128) }
```

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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