

Converting Colors

XYZ(13.1393, 14.9648, 20.7385)

Have a look what the booklet for
XYZ(13.1393, 14.9648, 20.7385)
contains.

XYZ(13.1448, 14.9719, 20.6094)	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(13.1448, 14.9719,
20.6094)**

Conversions

Conversions Part 1

Format	Color
Hex	56707A
RGB	86, 112, 122
RGB Percent	34%, 44%, 48%
CMY	0.6627, 0.5608, 0.5216
CMYK	0.30, 0.08, 0.00, 0.52
HSL	197°, 17%, 41%
HSV	197°, 30%, 48%
XYZ	13.1448, 14.9719, 20.6094
YIQ	105.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

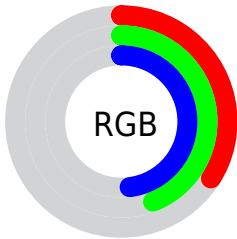
Format	Color
R_{YB}	86, 101, 122
Decimal	5664890
CIE Lab	45.60, -6.93, -8.63
CIE LCh	46, 11.071, 231.244
Yxy	14.9719, 0.2698, 0.3073
Android (android.graphics.Color)	4283854970 (0xFF56707A)
YUV	105.3660, 8.2006, -16.9840
Hunter-Lab	38.6935, -7.0745, -4.4942

Details

The XYZ color **13.1448, 14.9719, 20.6094** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8889, 13.1754, 10.6157**, and the grayscale version is **13.5090, 14.2125, 15.4774**.

A 20% lighter version of the original color is **31.2320, 34.9253, 45.1396**, and **3.8727, 4.5792, 6.9831** is the 20% darker color. If you saturate the color by 10%, you get **11.7492, 13.7082, 20.4393**, and if you desaturate by 10%, it is **14.7471, 16.3639, 20.7939**.

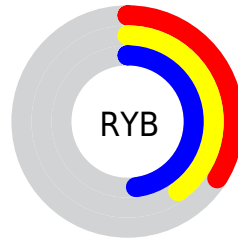
Distribution



 Red (34%)

 Green (44%)

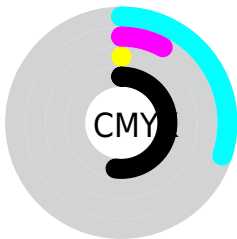
 Blue (48%)



 Red (34%)

 Yellow (40%)

 Blue (48%)

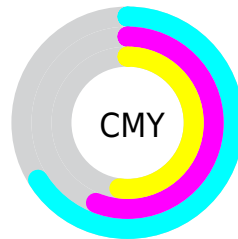


 Cyan (30%)


 Magenta (8%)

 Yellow (0%)

 Black (52%)



 Cyan (66%)

 Magenta (56%)

 Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1448, 14.9719, 20.6094 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 13.1448, 14.9719, 20.6094 by changing the saturation by 10% instead.

■ 13.1448, 14.9719,
20.6094

■ 13.1448, 14.9719,
20.6094

205.4625,
223.1961, 267.9078

■ 7.6060, 8.7997,
12.6503

■ 31.1628, 34.8039,
45.3089

■ 3.8936, 4.6107,
7.0603

■ 44.3727, 49.2324,
62.8864

■ 1.6421, 2.0207,
3.4208

■ 60.8704, 67.1818,
84.5071

■ 0.4196, 0.6195,
1.3133

■ 81.0211, 89.0365,
110.5895

■ 0.0000, 0.0000,
0.0727

■ 105.1904,
115.1809, 141.5523

■ 0.0000, 0.0000,
0.0000

133.7435,

145.9994, 177.8139

167.0457,
181.8763, 219.7929

■ 13.1448, 14.9719,
20.6094

■ 13.1448, 14.9719,
20.6094

■ 11.7492, 13.7082,
20.4393

■ 14.7471, 16.3639,
20.7939

■ 10.5492, 12.5655,
20.2820

■ 16.5641, 17.8872,
20.9921

■ 9.5343, 11.5388,
20.1373

■ 18.6047, 19.5472,
21.2050

■ 8.6928, 10.6216,
20.0046

■ 20.8771, 21.3482,
21.4329

■ 8.0114, 9.8069,
19.8833

■ 23.3890, 23.2945,
21.6761

7.4746, 9.0866,
19.7725

26.1478, 25.3900,
21.9352

7.0333, 8.4349,
19.6700

29.1604, 27.6385,
22.2104

7.0121, 8.4035,
19.6650

32.4337, 30.0439,
22.5022

35.9741, 32.6094,
22.8108

Harmonies

Analogous

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



12.6348, 14.9719, 18.2197



13.1448, 14.9719, 20.6094



13.9611, 14.9719, 21.8775

Triad

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



13.1448, 14.9719, 20.6094



16.0632, 14.9719, 17.0903



13.5950, 14.9719, 11.9969

Complementary

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



13.1448, 14.9719, 20.6094



13.8889, 13.1754, 10.6157

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.



14.5031, 14.9719, 11.7644



13.1448, 14.9719, 20.6094



15.9548, 14.9719, 14.5235

Square

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



13.1448, 14.9719, 20.6094



15.6641, 14.9719, 19.7062



15.3741, 14.9719, 12.6407



12.8868, 14.9719, 13.3141

Rectangle

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



13.1448, 14.9719, 20.6094



14.5803, 14.9719, 21.8308



15.3741, 14.9719, 12.6407



13.8861, 14.9719, 11.7954

Sweetspot

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



13.1453, 14.9725, 20.6097



29.2393, 31.5498, 36.9415



12.8906, 16.7350, 13.5212



6.5929, 7.1373, 8.4368



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.



13.1453, 14.9725, 20.6097



21.5288, 24.9059, 36.0655



11.3894, 11.4608, 20.0245



4.0174, 4.3332, 5.0678



7.3753, 8.8331, 20.7015



34.4381, 40.6488, 98.5007

Inverse Universe

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



14.2789, 11.9635, 16.8864



23.8847, 18.9081, 28.2705



15.6784, 16.7544, 11.2121



4.1093, 4.0594, 4.7730



10.3061, 5.0986, 10.1686



48.7859, 24.1707, 46.5300

Previews

White Background



This preview shows how the XYZ color 13.1448, 14.9719, 20.6094 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 13.1448, 14.9719, 20.6094 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

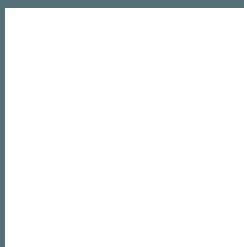
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1448, 14.9719, 20.6094

Background



This preview shows how black text looks on a background with the XYZ color 13.1448, 14.9719, 20.6094.



This preview shows how white text looks on a background with the XYZ color 13.1448, 14.9719,

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

13.1448, 14.9719, 20.6094

Protanopia

14.5313, 14.9115, 19.5651

Deuteranopia

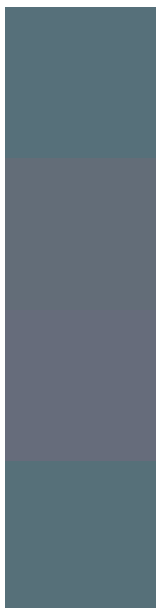
15.1823, 14.9127, 20.8171



Tritanopia

13.0831, 14.9473, 20.2847

Trichromacy



Original Color

13.1448, 14.9719, 20.6094

Protanomaly

14.0044, 14.9460, 19.9161

Deuteranomaly

14.4172, 14.9800, 20.8704

Tritanomaly

13.0831, 14.9473, 20.2847

Monochromacy



Original Color

13.1448, 14.9719, 20.6094

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2688, 14.4695, 17.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1448, 14.9719, 20.6094 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(86, 112, 122) looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 122)  
}
```

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(86, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.1448, 14.9719, 20.6094 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(86, 112, 122) }
```


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

```
.border{ border-color:rgb(86, 112, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(86, 112,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1448, 14.9719, 20.6094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 122) }
```

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

```
.background{ background-color: rgb(86, 112,  
122) }
```

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