

Converting Colors

XYZ(14.7882, 16.8362, 20.1919)

Have a look what the booklet for
XYZ(14.7882, 16.8362, 20.1919)
contains.

XYZ(14.7984, 16.8543, 20.2426)	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(14.7984, 16.8543,
20.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	617678
RGB	97, 118, 120
RGB Percent	38%, 46%, 47%
CMY	0.6196, 0.5372, 0.5294
CMYK	0.19, 0.02, 0.00, 0.53
HSL	185°, 11%, 43%
HSV	185°, 19%, 47%
XYZ	14.7984, 16.8543, 20.2426
YIQ	111.9490, -13.1580, -3.8300

Conversions

Conversions Part 2

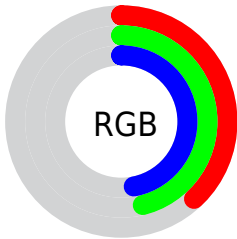
Format	Color
R_{YB}	97, 108, 120
Decimal	6387320
CIE _{Lab}	48.08, -7.20, -3.67
CIE _{LCh}	48, 8.086, 207.006
Yxy	16.8543, 0.2852, 0.3248
Android (android.graphics.Color)	4284577400 (0xFF617678)
YUV	111.9490, 3.9691, -13.1103
Hunter-Lab	41.0540, -7.5020, -0.4965

Details

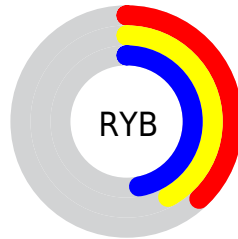
The XYZ color **14.7984, 16.8543, 20.2426** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3655, 13.7800, 13.2124**, and the grayscale version is **15.3780, 16.1789, 17.6188**.

A 20% lighter version of the original color is **34.0339, 38.0239, 44.5753**, and **4.6753, 5.5263, 6.9512** is the 20% darker color. If you saturate the color by 10%, you get **13.4933, 16.0006, 20.1469**, and if you desaturate by 10%, it is **16.2993, 17.8118, 20.3486**.

Distribution



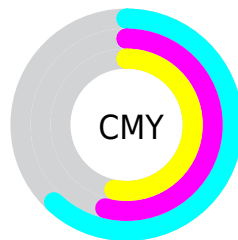
- Red (38%)
- Green (46%)
- Blue (47%)



- Red (38%)
- Yellow (42%)
- 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 14.7984, 16.8543, 20.2426 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 14.7984, 16.8543, 20.2426 by changing the saturation by 10% instead.

■ 14.7984, 16.8543,
20.2426

■ 14.7984, 16.8543,
20.2426

215.5554,
234.3314, 265.8730

■ 8.7634, 10.1307,
12.3857

■ 34.0737, 38.0751,
44.6879

■ 4.6431, 5.4857,
6.8812

■ 48.0447, 53.3410,
62.1133

■ 2.0720, 2.5349,
3.3106

■ 65.3918, 72.2232,
83.5653

■ 0.6739, 0.8941,
1.2553

■ 86.4803, 95.1060,
109.4624

■ 0.0000, 0.0000,
0.0248

111.6755,
122.3738, 140.2232

■ 0.0000, 0.0000,
0.0000

141.3429,

154.4111, 176.2662

175.8477,
191.6021, 218.0100

■ 14.7984, 16.8543,
20.2426

■ 14.7984, 16.8543,
20.2426

■ 13.4933, 16.0006,
20.1469

■ 16.2993, 17.8118,
20.3486

■ 12.3738, 15.2442,
20.0599

■ 18.0027, 18.8753,
20.4641

■ 11.4311, 14.5809,
19.9815

■ 19.9167, 20.0494,
20.5898

■ 10.6552, 14.0056,
19.9114

■ 22.0485, 21.3378,
20.7261

■ 10.0347, 13.5125,
19.8489

■ 24.4052, 22.7441,
20.8734

■ 9.5573, 13.0950,
19.7935

■ 26.9931, 24.2718,
21.0319

■ 9.2083, 12.7457,
19.7445

■ 29.8188, 25.9240,
21.2018

■ 8.9420, 12.4411,
19.6997

■ 32.8883, 27.7040,
21.3836

■ 8.9202, 12.4160,
19.6960

■ 36.2074, 29.6147,
21.5775

Harmonies

Analogous

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



14.6552, 16.8543, 18.1418



14.7984, 16.8543, 20.2426



15.2655, 16.8543, 21.9427

Triad

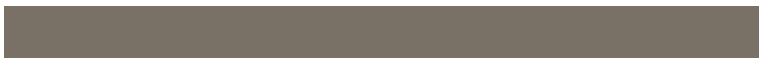
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.7984, 16.8543, 20.2426



17.2287, 16.8543, 20.6343



16.0931, 16.8543, 14.6146

Complementary

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



14.7984, 16.8543, 20.2426



14.3655, 13.7800, 13.2124

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.



16.7979, 16.8543, 15.1752



14.7984, 16.8543, 20.2426



17.4660, 16.8543, 18.5627

Square

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



14.7984, 16.8543, 20.2426



16.6669, 16.8543, 22.1806



17.3060, 16.8543, 16.5819



15.3891, 16.8543, 14.9905

Rectangle

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



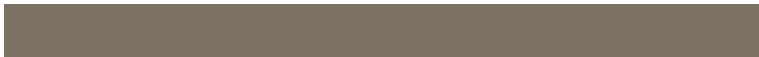
14.7984, 16.8543, 20.2426



15.7052, 16.8543, 22.5643



17.3060, 16.8543, 16.5819



16.3379, 16.8543, 14.6986

Sweetspot

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



14.7989, 16.8550, 20.2430



29.5333, 31.8719, 35.8484



13.8948, 16.8740, 14.3086



6.9651, 7.5320, 8.4934



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.



14.7989, 16.8550, 20.2430



24.9770, 28.9619, 35.5268



13.5347, 14.3266, 19.8216



4.0787, 4.4557, 5.0882



9.7261, 13.5347, 21.4851



46.0815, 63.9356, 102.3818

Inverse Universe

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



15.2909, 13.8509, 19.0078



26.0163, 22.6831, 32.9025



15.5248, 16.0985, 13.5988



4.1402, 4.0718, 4.9359



11.4926, 5.5732, 16.4169



54.6629, 26.5215, 77.4782

Previews

White Background



This preview shows how the XYZ color 14.7984, 16.8543, 20.2426 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 14.7984, 16.8543, 20.2426 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

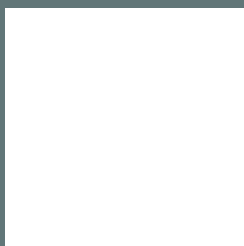
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7984, 16.8543, 20.2426

Background



This preview shows how black text looks on a background with the XYZ color 14.7984, 16.8543, 20.2426.



This preview shows how white text looks on a background with the XYZ color 14.7984, 16.8543,

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

14.7984, 16.8543, 20.2426

Protanopia

16.1862, 16.7394, 19.2076

Deuteranopia

17.0824, 16.8390, 20.7623



Tritanopia

15.1642, 16.8256, 22.1871

Trichromacy



Original Color

14.7984, 16.8543, 20.2426

Protanomaly

15.5851, 16.7576, 19.5527

Deuteranomaly

16.1506, 16.8598, 20.4922

Tritanomaly

15.0364, 16.7745, 21.5141

Monochromacy



Original Color

14.7984, 16.8543, 20.2426

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 14.7984, 16.8543, 20.2426 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(97, 118, 120) looks like.

```
.text, #text, p{  
    color:rgb(97, 118, 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(97, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.7984, 16.8543, 20.2426 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(97, 118, 120) }
```


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

```
.border{ border-color:rgb(97, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(97, 118,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7984, 16.8543, 20.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 118, 120) }
```

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

```
.background{ background-color: rgb(97, 118,  
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](#).

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