

Converting Colors

XYZ(15.0013, 18.8903, 20.7158)

Have a look what the booklet for
XYZ(15.0013, 18.8903, 20.7158)
contains.

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Color

**XYZ(14.9471, 18.7728,
20.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	568078
RGB	86, 128, 120
RGB Percent	34%, 50%, 47%
CMY	0.6627, 0.4980, 0.5294
CMYK	0.33, 0.00, 0.06, 0.50
HSL	169°, 20%, 42%
HSV	169°, 33%, 50%
XYZ	14.9471, 18.7728, 20.6050
YIQ	114.5300, -22.4640, -11.3920

Conversions

Conversions Part 2

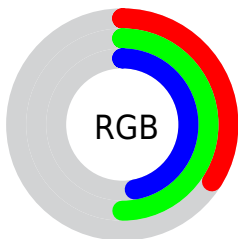
Format	Color
R_{YB}	86, 109, 128
Decimal	5668984
CIE _{Lab}	50.42, -16.41, -0.31
CIE _{LCh}	50, 16.414, 181.070
Yxy	18.7728, 0.2751, 0.3456
Android (android.graphics.Color)	4283859064 (0xFF568078)
YUV	114.5300, 2.6967, -25.0208
Hunter-Lab	43.3276, -14.2446, 2.1332

Details

The XYZ color **14.9471, 18.7728, 20.6050** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.2509, 12.0535, 12.1659**, and the grayscale version is **16.1510, 16.9921, 18.5044**.

A 20% lighter version of the original color is **34.2868, 41.3447, 45.2029**, and **4.7650, 6.4719, 7.1290** is the 20% darker color. If you saturate the color by 10%, you get **13.7265, 18.1609, 19.7855**, and if you desaturate by 10%, it is **16.3836, 19.4965, 21.4551**.

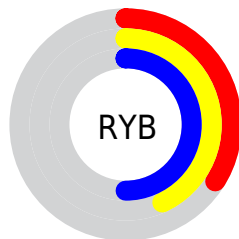
Distribution



Red (34%)

Green (50%)

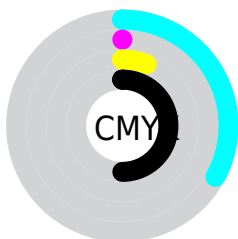
Blue (47%)



Red (34%)

Yellow (43%)

Blue (50%)

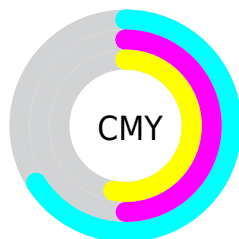


Cyan (33%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (66%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9471, 18.7728, 20.6050 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 14.9471, 18.7728, 20.6050 by changing the saturation by 10% instead.

■ 14.9471, 18.7728,
20.6050

■ 14.9471, 18.7728,
20.6050

216.4405,
245.1916, 267.8835

■ 8.8683, 11.5062,
12.6472

■ 34.3328, 41.3498,
45.3014

■ 4.7118, 6.4084,
7.0582

■ 48.3704, 57.4291,
62.8771

■ 2.1122, 3.0950,
3.4195

■ 65.7917, 77.2147,
84.4958

■ 0.6958, 1.1815,
1.3126

■ 86.9620, 101.0910,
110.5761

■ 0.0000, 0.0465,
0.0721

■ 112.2467,
129.4425, 141.5364

■ 0.0000, 0.0000,
0.0000

142.0111,

162.6535, 177.7954

176.6206,
201.1084, 219.7716

■ 14.9471, 18.7728,
20.6050

■ 14.9471, 18.7728,
20.6050

■ 13.7265, 18.1609,
19.7855

■ 16.3836, 19.4965,
21.4551

■ 12.7090, 17.6528,
18.9945

■ 18.0450, 20.3352,
22.3352

■ 11.8826, 17.2428,
18.2320

■ 19.9414, 21.2947,
23.2463

■ 11.2338, 16.9240,
17.4970

■ 22.0822, 22.3796,
24.1888

■ 10.7469, 16.6882,
16.7886

■ 24.4759, 23.5945,
25.1635

■ 10.4035, 16.5258,
16.1059

■ 27.1308, 24.9437,
26.1708

■ 10.1987, 16.4306,
15.6288

■ 30.0549, 26.4311,
27.2112

■ 33.2557, 28.0607,
28.2851

■ 36.7404, 29.8362,
29.3932

Harmonies

Analogous

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



15.2895, 18.7728, 16.4767



14.9471, 18.7728, 20.6050



15.3413, 18.7728, 25.3202

Triad

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



14.9471, 18.7728, 20.6050



19.4742, 18.7728, 28.9307



19.3691, 18.7728, 13.6726

Complementary

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



14.9471, 18.7728, 20.6050



14.2509, 12.0535, 12.1659

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.



20.6028, 18.7728, 16.2316



14.9471, 18.7728, 20.6050



20.6660, 18.7728, 24.9937

Square

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



14.9471, 18.7728, 20.6050



17.9004, 18.7728, 30.5476



21.0906, 18.7728, 20.2767



17.7857, 18.7728, 12.8519

Rectangle

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



14.9471, 18.7728, 20.6050



15.9832, 18.7728, 28.0684



21.0906, 18.7728, 20.2767



19.8417, 18.7728, 14.3371

Sweetspot

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



14.9476, 18.7736, 20.6054



32.5916, 36.2174, 39.7320



14.0567, 18.5119, 11.6368



7.5416, 8.4345, 9.2584



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.9476, 18.7736, 20.6054



24.7555, 32.2689, 35.2495



13.9111, 15.8905, 22.7568



4.4124, 4.8733, 5.3429



10.1129, 16.2917, 15.4990



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2509, 12.0535, 12.1659



23.3421, 18.6100, 18.1096



15.0065, 14.1098, 10.7371



4.3587, 4.3566, 4.6933



8.9950, 4.6177, 1.2973



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9471, 18.7728, 20.6050 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 14.9471, 18.7728, 20.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

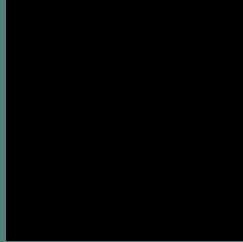
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9471, 18.7728, 20.6050

Background



This preview shows how black text looks on a background with the XYZ color 14.9471, 18.7728, 20.6050.

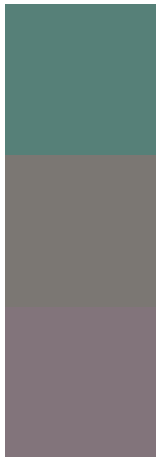


This preview shows how white text looks on a background with the XYZ color 14.9471, 18.7728,

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

14.9471, 18.7728, 20.6050

Protanopia

17.8597, 18.6424, 18.8767

Deuteranopia

19.0265, 18.6667, 21.3391



Tritanopia

16.1212, 18.8729, 26.0857

Trichromacy



Original Color

14.9471, 18.7728, 20.6050

Protanomaly

16.6008, 18.5184, 19.5291

Deuteranomaly

17.1688, 18.4155, 21.0620

Tritanomaly

15.7385, 18.9143, 23.9404

Monochromacy



Original Color

14.9471, 18.7728, 20.6050

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6363, 17.6604, 19.4143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9471, 18.7728, 20.6050 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, 128, 120) looks like.

```
.text, #text, p{  
    color:rgb(86, 128, 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(86, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 128, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.9471, 18.7728, 20.6050 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, 128, 120) }
```


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

```
.border{ border-color:rgb(86, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 128, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 128, 120);  
box-shadow:4px 4px 4px 4px rgb(86, 128,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9471, 18.7728, 20.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 128, 120) }
```

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

```
.background{ background-color: rgb(86, 128,  
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](#).

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