

Converting Colors

XYZ(14.9090, 15.9062, 20.7101)

Have a look what the booklet for
XYZ(14.9090, 15.9062, 20.7101)
contains.

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Color

**XYZ(14.9005, 15.8770,
20.6916)**

Conversions

Conversions Part 1

Format	Color
Hex	67707A
RGB	103, 112, 122
RGB Percent	40%, 44%, 48%
CMY	0.5961, 0.5608, 0.5216
CMYK	0.16, 0.08, 0.00, 0.52
HSL	212°, 8%, 44%
HSV	212°, 16%, 48%
XYZ	14.9005, 15.8770, 20.6916
YIQ	110.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

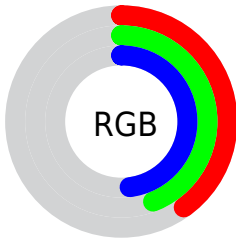
Format	Color
R_{YB}	103, 109, 122
Decimal	6779002
CIE _{Lab}	46.81, -1.14, -6.69
CIE _{LCh}	47, 6.784, 260.311
Yxy	15.8770, 0.2895, 0.3085
Android (android.graphics.Color)	4284969082 (0xFF67707A)
YUV	110.4490, 5.6946, -6.5328
Hunter-Lab	39.8460, -2.9799, -2.8965

Details

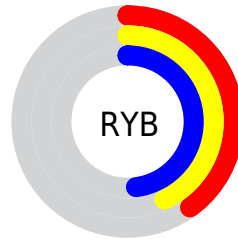
The XYZ color **14.9005, 15.8770, 20.6916** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3794, 16.9270, 15.2362**, and the grayscale version is **14.9363, 15.7142, 17.1127**.

A 20% lighter version of the original color is **34.2419, 36.4769, 45.2804**, and **4.6669, 4.9886, 7.0203** is the 20% darker color. If you saturate the color by 10%, you get **12.9188, 13.8414, 20.4034**, and if you desaturate by 10%, it is **17.1379, 18.1203, 21.0069**.

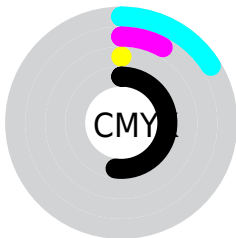
Distribution



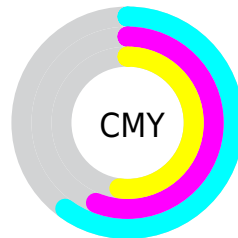
- Red (40%)
- Green (44%)
- Blue (48%)



- Red (40%)
- Yellow (43%)
- Blue (48%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9005, 15.8770, 20.6916 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 14.9005, 15.8770, 20.6916 by changing the saturation by 10% instead.

■ 14.9005, 15.8770,
20.6916

■ 14.9005, 15.8770,
20.6916

216.1635,
228.6148, 268.3619

■ 8.8354, 9.4372,
12.7097

■ 34.2516, 36.3845,
45.4478

■ 4.6903, 5.0274,
7.1006

■ 48.2684, 51.2210,
63.0592

■ 2.0996, 2.2634,
3.4457

■ 65.6665, 69.6252,
84.7176

■ 0.6890, 0.7542,
1.3265

■ 86.8112, 91.9814,
110.8413

■ 0.0000, 0.0000,
0.0833

112.0679,
118.6741, 141.8491

■ 0.0000, 0.0000,
0.0000

141.8019,

150.0876, 178.1595

176.3787,
186.6064, 220.1909

■ 14.9005, 15.8770,
20.6916

■ 14.9005, 15.8770,
20.6916

■ 12.9188, 13.8414,
20.4034

■ 17.1379, 18.1203,
21.0069

■ 11.1815, 12.0048,
20.1405

■ 19.6389, 20.5755,
21.3490

■ 9.6785, 10.3609,
19.9024

■ 22.4127, 23.2493,
21.7189

■ 8.3986, 8.9021,
19.6882

■ 25.4677, 26.1475,
22.1173

■ 7.3292, 7.6204,
19.4972

■ 28.8119, 29.2756,
22.5448

■ 6.4568, 6.5068,
19.3283

■ 32.4530, 32.6388,
23.0021

■ 5.7658, 5.5516,
19.1803

■ 36.3984, 36.2424,
23.4897

■ 5.2302, 4.7393,
19.0518

■ 40.6552, 40.0912,
24.0082

■ 5.0159, 4.4111,
18.9997

■ 45.2302, 44.1900,
24.5583

Harmonies

Analogous

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



14.3777, 15.8770, 19.9098



14.9005, 15.8770, 20.6916



15.4878, 15.8770, 20.5166

Triad

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



14.9005, 15.8770, 20.6916



16.1797, 15.8770, 16.1840



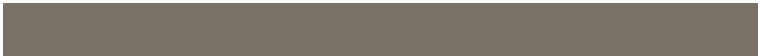
14.2344, 15.8770, 15.2945

Complementary

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



14.9005, 15.8770, 20.6916



16.3794, 16.9270, 15.2362

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.



14.7003, 15.8770, 14.4161



14.9005, 15.8770, 20.6916



15.8267, 15.8770, 14.9059

Square

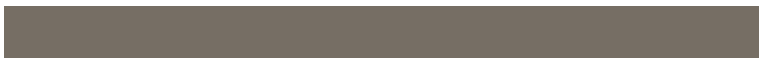
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.9005, 15.8770, 20.6916



16.2367, 15.8770, 17.8399



15.2823, 15.8770, 14.2786



13.9998, 15.8770, 16.7463

Rectangle

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



14.9005, 15.8770, 20.6916



15.8364, 15.8770, 19.8849



15.2823, 15.8770, 14.2786



14.3686, 15.8770, 14.9265

Sweetspot

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



14.9010, 15.8777, 20.6920



30.3395, 32.0660, 36.9832



15.5236, 17.9910, 18.2234



6.8836, 7.2789, 8.4488



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.



14.9010, 15.8777, 20.6920



24.8080, 26.4991, 36.2002



13.9933, 14.0082, 20.3790



3.9397, 4.1776, 5.0419



5.2726, 4.6276, 20.0006



24.3108, 20.3942, 95.1249

Inverse Universe

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



15.8013, 15.0082, 17.3940



26.7518, 24.6953, 29.0631



17.3893, 19.0131, 15.5856



4.0700, 4.0437, 4.5662



9.2447, 4.6740, 4.5794



43.6741, 22.1260, 19.6117

Previews

White Background



This preview shows how the XYZ color 14.9005, 15.8770, 20.6916 looks on a white background.

Color Contrast Check

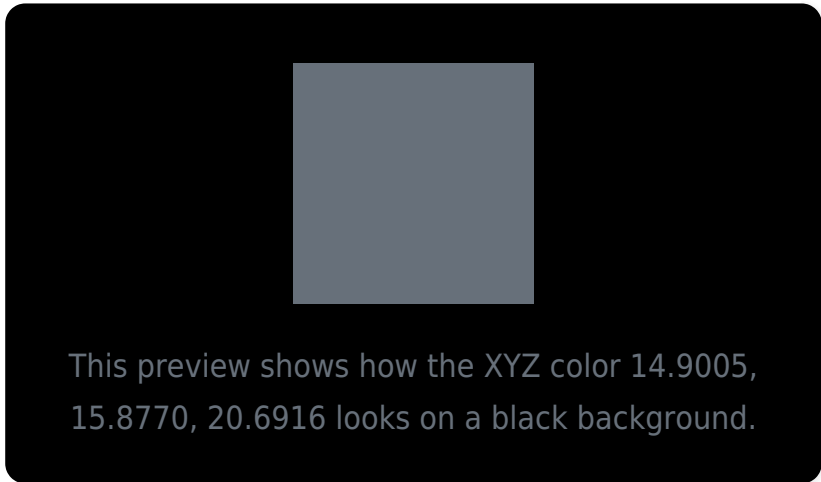
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

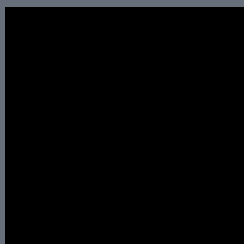
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

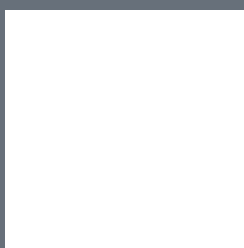
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9005, 15.8770, 20.6916

Background



This preview shows how black text looks on a background with the XYZ color 14.9005, 15.8770, 20.6916.



This preview shows how white text looks on a background with the XYZ color 14.9005, 15.8770,

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

14.9005, 15.8770, 20.6916

Protanopia

15.4575, 15.8473, 20.3333

Deuteranopia

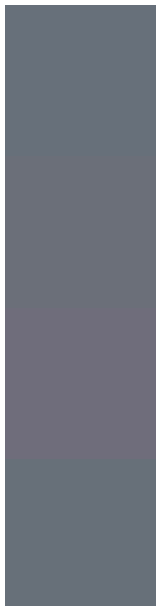
16.1402, 15.8682, 20.9511



Tritanopia

14.8389, 15.8524, 20.3669

Trichromacy



Original Color

14.9005, 15.8770, 20.6916

Protanomaly

15.1990, 15.8752, 20.3523

Deuteranomaly

15.5993, 15.7468, 20.9562

Tritanomaly

14.8389, 15.8524, 20.3669

Monochromacy



Original Color

14.9005, 15.8770, 20.6916

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7851, 15.7096, 18.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9005, 15.8770, 20.6916 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(103, 112, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 122) }
```

Border

The CSS property to change the border of an element to XYZ 14.9005, 15.8770, 20.6916 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(103, 112, 122) }
```


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

```
.border{ border-color:rgb(103, 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(103, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9005, 15.8770, 20.6916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 122) }
```

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

```
.background{ background-color: rgb(103,  
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](#).

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