

Converting Colors

XYZ(11.0112, 11.6570, 20.2122)

Have a look what the booklet for
XYZ(11.0112, 11.6570, 20.2122)
contains.

XYZ(10.9294, 11.5742, 20.0704)	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(10.9294, 11.5742,
20.0704)**

Conversions

Conversions Part 1

Format	Color
Hex	4E617A
RGB	78, 97, 122
RGB Percent	31%, 38%, 48%
CMY	0.6941, 0.6196, 0.5216
CMYK	0.36, 0.20, 0.00, 0.52
HSL	214°, 22%, 39%
HSV	214°, 36%, 48%
XYZ	10.9294, 11.5742, 20.0704
YIQ	94.1690, -19.3490, 3.7470

Conversions

Conversions Part 2

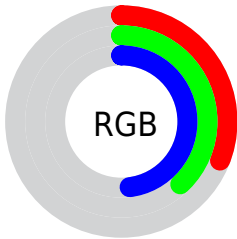
Format	Color
R _Y B	78, 91, 122
Decimal	5136762
CIE Lab	40.53, -0.53, -16.36
CIE LCh	41, 16.364, 268.146
Yxy	11.5742, 0.2567, 0.2719
Android (android.graphics.Color)	4283326842 (0xFF4E617A)
YUV	94.1690, 13.7207, -14.1802
Hunter-Lab	34.0209, -2.1924, -11.1631

Details

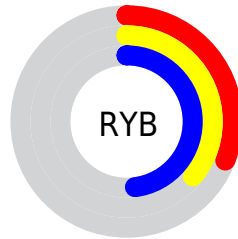
The XYZ color **10.9294, 11.5742, 20.0704** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.2517, 14.3883, 9.2341**, and the grayscale version is **10.6514, 11.2061, 12.2034**.

A 20% lighter version of the original color is **26.9758, 28.5126, 44.1261**, and **2.9218, 3.1247, 6.7525** is the 20% darker color. If you saturate the color by 10%, you get **9.4084, 9.8807, 19.8239**, and if you desaturate by 10%, it is **12.6926, 13.4762, 20.3448**.

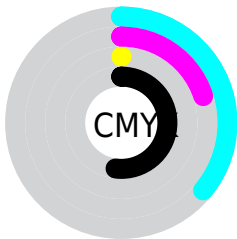
Distribution



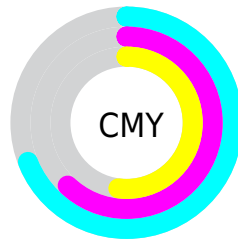
- Red (31%)
- Green (38%)
- Blue (48%)



- Red (31%)
- Yellow (36%)
- Blue (48%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (52%)



- Cyan (69%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9294, 11.5742, 20.0704 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 10.9294, 11.5742, 20.0704 by changing the saturation by 10% instead.

■ 10.9294, 11.5742,
20.0704

■ 10.9294, 11.5742,
20.0704

191.1009,
201.5656, 264.9128

■ 6.0863, 6.4544,
12.2616

■ 27.1637, 28.7172,
44.3957

■ 2.9388, 3.1233,
6.7974

■ 39.2855, 41.5092,
61.7493

■ 1.1215, 1.1965,
3.2592

■ 54.5644, 57.6274,
83.1217

■ 0.0430, 0.0588,
1.2285

■ 73.3656, 77.4563,
108.9312

■ 0.0000, 0.0000,
0.0021

■ 96.0545, 101.3801,
139.5966

■ 0.0000, 0.0000,
0.0000

122.9964,

129.7834, 175.5363

154.5568,
163.0504, 217.1689

■ 10.9294, 11.5742,
20.0704

■ 10.9294, 11.5742,
20.0704

■ 9.4084, 9.8807,
19.8239

■ 12.6926, 13.4762,
20.3448

■ 8.1168, 8.3862,
19.6035

■ 14.7078, 15.5930,
20.6472

■ 7.0421, 7.0823,
19.4085

■ 16.9854, 17.9321,
20.9786

■ 6.1704, 5.9595,
19.2377

■ 19.5351, 20.5006,
21.3400

■ 5.4854, 5.0070,
19.0899

■ 22.3660, 23.3048,
21.7321

■ 4.9588, 4.2078,
18.9634

■ 25.4866, 26.3511,
22.1556

■ 4.7716, 3.9226,
18.9183

■ 28.9052, 29.6454,
22.6113

■ 32.6299, 33.1935,
23.0998

■ 36.6681, 37.0011,
23.6219

Harmonies

Analogous

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



9.8722, 11.5742, 18.7991



10.9294, 11.5742, 20.0704



12.0799, 11.5742, 19.0684

Triad

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



10.9294, 11.5742, 20.0704



13.0731, 11.5742, 9.8390



9.2237, 11.5742, 9.5406

Complementary

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



10.9294, 11.5742, 20.0704



14.2517, 14.3883, 9.2341

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.



9.9882, 11.5742, 7.7932



10.9294, 11.5742, 20.0704



12.2125, 11.5742, 7.9432

Square

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



10.9294, 11.5742, 20.0704



13.3681, 11.5742, 12.8088



11.0728, 11.5742, 7.2633



8.9311, 11.5742, 12.3981

Rectangle

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



10.9294, 11.5742, 20.0704



12.7357, 11.5742, 17.3296



11.0728, 11.5742, 7.2633



9.4313, 11.5742, 8.8239

Sweetspot

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



10.9298, 11.5747, 20.0707



27.7395, 29.3579, 36.5975



12.5465, 16.5170, 15.3415



6.2478, 6.6151, 8.3542



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.



10.9298, 11.5747, 20.0707



17.0614, 17.9584, 34.9600



9.6252, 8.6006, 19.5654



3.9268, 4.1518, 5.0376



5.0157, 4.1138, 19.9150



23.1124, 17.9975, 94.7255

Inverse Universe

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



12.9084, 10.4497, 12.6464



21.1446, 15.9547, 19.5676



15.9518, 18.3960, 9.9181



4.0635, 4.0411, 4.5320



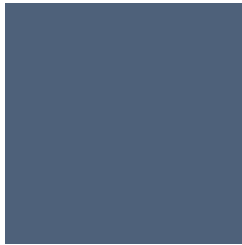
9.1150, 4.6222, 3.8965



43.0692, 21.8840, 16.4265

Previews

White Background



This preview shows how the XYZ color 10.9294, 11.5742, 20.0704 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 10.9294, 11.5742, 20.0704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

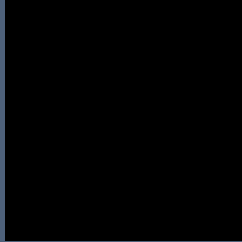
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

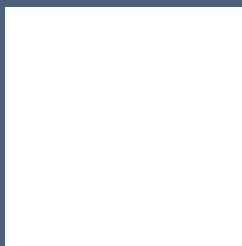
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9294, 11.5742, 20.0704

Background



This preview shows how black text looks on a background with the XYZ color 10.9294, 11.5742, 20.0704.

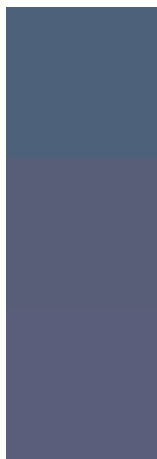


This preview shows how white text looks on a background with the XYZ color 10.9294, 11.5742,

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

10.9294, 11.5742, 20.0704

Protanopia

11.5127, 11.4853, 19.3794

Deuteranopia

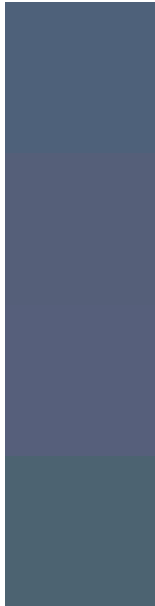
11.7943, 11.6091, 20.3580



Tritanopia

10.1656, 11.6929, 15.9085

Trichromacy



Original Color

10.9294, 11.5742, 20.0704

Protanomaly

11.2897, 11.4962, 19.7131

Deuteranomaly

11.5051, 11.5929, 20.3702

Tritanomaly

10.4230, 11.6524, 17.3226

Monochromacy



Original Color

10.9294, 11.5742, 20.0704

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.6154, 11.2586, 14.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9294, 11.5742, 20.0704 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(78, 97, 122)` looks like.

```
.text, #text, p{  
    color:rgb(78, 97, 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(78, 97, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 97, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.9294, 11.5742, 20.0704 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(78, 97, 122) }
```


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

```
.border{ border-color:rgb(78, 97, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 97, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 97, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 97, 122);  
box-shadow:4px 4px 4px 4px rgb(78, 97,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9294, 11.5742, 20.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 97, 122) }
```

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

```
.background{ background-color: rgb(78, 97,  
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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