

Converting Colors

XYZ(13.2199, 14.7872, 19.8790)

Have a look what the booklet for
XYZ(13.2199, 14.7872, 19.8790)
contains.

XYZ(13.2911, 14.8986, 19.9445)	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(13.2911, 14.8986,
19.9445)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6F78
RGB	90, 111, 120
RGB Percent	35%, 44%, 47%
CMY	0.6471, 0.5647, 0.5294
CMYK	0.25, 0.07, 0.00, 0.53
HSL	198°, 14%, 41%
HSV	198°, 25%, 47%
XYZ	13.2911, 14.8986, 19.9445
YIQ	105.7470, -15.4050, -1.6530

Conversions

Conversions Part 2

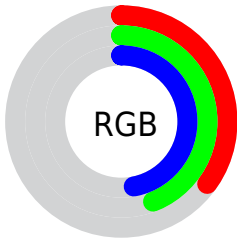
Format	Color
R_{YB}	90, 102, 120
Decimal	5926776
CIE _{Lab}	45.50, -5.54, -7.56
CIE _{LCh}	45, 9.372, 233.756
Yxy	14.8986, 0.2761, 0.3095
Android (android.graphics.Color)	4284116856 (0xFF5A6F78)
YUV	105.7470, 7.0267, -13.8101
Hunter-Lab	38.5987, -6.0829, -3.6169

Details

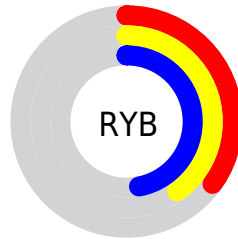
The XYZ color **13.2911, 14.8986, 19.9445** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0533, 13.6552, 11.5684**, and the grayscale version is **13.6152, 14.3242, 15.5991**.

A 20% lighter version of the original color is **31.5281, 34.8357, 44.0920**, and **3.9435, 4.5365, 6.7987** is the 20% darker color. If you saturate the color by 10%, you get **11.8320, 13.5754, 19.7662**, and if you desaturate by 10%, it is **14.9554, 16.3518, 20.1375**.

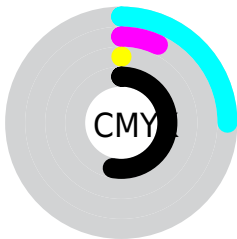
Distribution



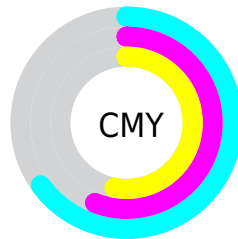
- Red (35%)
- Green (44%)
- Blue (47%)



- Red (35%)
- Yellow (40%)
- Blue (47%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (53%)



- Cyan (65%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2911, 14.8986, 19.9445 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 13.2911, 14.8986, 19.9445 by changing the saturation by 10% instead.

■ 13.2911, 14.8986,
19.9445

■ 13.2911, 14.8986,
19.9445

206.3751,
222.7517, 264.2088

■ 7.7077, 8.7483,
12.1710

■ 31.4227, 34.6752,
44.1819

■ 3.9587, 4.5773,
6.7363

■ 44.7015, 49.0702,
61.4828

■ 1.6788, 2.0015,
3.2218

■ 61.2762, 66.9823,
82.7967

■ 0.4429, 0.6083,
1.2090

■ 81.5121, 88.7958,
108.5421

■ 0.0000, 0.0000,
0.0000

105.7746,
114.8950, 139.1374

134.4290,

145.6645, 175.0013

167.8407,
181.4886, 216.5522

■ 13.2911, 14.8986,
19.9445

■ 13.2911, 14.8986,
19.9445

■ 11.8320, 13.5754,
19.7662

■ 14.9554, 16.3518,
20.1375

■ 10.5676, 12.3754,
19.6013

■ 16.8321, 17.9380,
20.3448

■ 9.4883, 11.2938,
19.4494

■ 18.9299, 19.6621,
20.5670

■ 8.5833, 10.3247,
19.3100

■ 21.2563, 21.5285,
20.8046

■ 7.8404, 9.4615,
19.1826

■ 23.8187, 23.5410,
21.0580

■ 7.2458, 8.6969,
19.0663

■ 26.6239, 25.7035,
21.3276

■ 6.7776, 8.0193,
18.9602

■ 29.6787, 28.0197,
21.6136

■ 6.5609, 7.6974,
18.9095

■ 32.9894, 30.4931,
21.9166

■ 36.5621, 33.1271,
22.2367

Harmonies

Analogous

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



12.8300, 14.8986, 18.0174



13.2911, 14.8986, 19.9445



13.9979, 14.8986, 20.8848

Triad

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



13.2911, 14.8986, 19.9445



15.7068, 14.8986, 16.6944



13.5642, 14.8986, 12.5949

Complementary

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



13.2911, 14.8986, 19.9445



14.0533, 13.6552, 11.5684

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.



14.3247, 14.8986, 12.3107



13.2911, 14.8986, 19.9445



15.5804, 14.8986, 14.5501

Square

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



13.2911, 14.8986, 19.9445



15.4069, 14.8986, 18.9004



15.0674, 14.8986, 12.9942



12.9835, 14.8986, 13.8094

Rectangle

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



13.2911, 14.8986, 19.9445



14.5208, 14.8986, 20.7692



15.0674, 14.8986, 12.9942



13.8065, 14.8986, 12.3923

Sweetspot

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



13.2915, 14.8992, 19.9448



28.8545, 30.9228, 35.7010



13.1616, 16.4982, 14.1707



6.8046, 7.3002, 8.4571



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.



13.2915, 14.8992, 19.9448



21.8617, 24.8420, 34.8958



11.8357, 11.9875, 19.4595



4.0104, 4.3191, 5.0655



7.1448, 8.3720, 20.6247



33.3096, 38.3919, 98.1246

Inverse Universe

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



14.2715, 12.4536, 16.6911



23.9287, 19.8754, 27.9904



15.5526, 16.6537, 12.0681



4.1057, 4.0580, 4.7543



10.1897, 5.0520, 9.5557



48.2163, 23.9429, 43.5306

Previews

White Background



This preview shows how the XYZ color 13.2911, 14.8986, 19.9445 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 13.2911, 14.8986, 19.9445 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

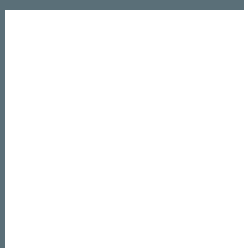
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2911, 14.8986, 19.9445

Background



This preview shows how black text looks on a background with the XYZ color 13.2911, 14.8986, 19.9445.



This preview shows how white text looks on a background with the XYZ color 13.2911, 14.8986,

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

13.2911, 14.8986, 19.9445

Protanopia

14.4124, 14.8639, 18.9390

Deuteranopia

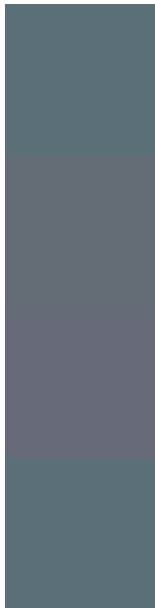
15.0583, 14.8631, 20.1644



Tritanopia

13.2911, 14.8986, 19.9445

Trichromacy



Original Color

13.2911, 14.8986, 19.9445

Protanomaly

13.8881, 14.7425, 19.2531

Deuteranomaly

14.3024, 14.7794, 20.1881

Tritanomaly

13.2911, 14.8986, 19.9445

Monochromacy



Original Color

13.2911, 14.8986, 19.9445

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4873, 14.5821, 17.1427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2911, 14.8986, 19.9445 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(90, 111, 120) looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 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(90, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.2911, 14.8986, 19.9445 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(90, 111, 120) }
```


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

```
.border{ border-color:rgb(90, 111, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 111, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2911, 14.8986, 19.9445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 120) }
```

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

```
.background{ background-color: rgb(90, 111,  
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