

Converting Colors

XYZ(11.4246, 13.1078, 19.6579)

Have a look what the booklet for
XYZ(11.4246, 13.1078, 19.6579)
contains.

XYZ(11.4458, 13.1600, 19.7062)	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(11.4458, 13.1600,
19.7062)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6A78
RGB	75, 106, 120
RGB Percent	29%, 42%, 47%
CMY	0.7059, 0.5843, 0.5294
CMYK	0.37, 0.12, 0.00, 0.53
HSL	199°, 23%, 38%
HSV	199°, 37%, 47%
XYZ	11.4458, 13.1600, 19.7062
YIQ	98.3270, -22.9700, -2.2180

Conversions

Conversions Part 2

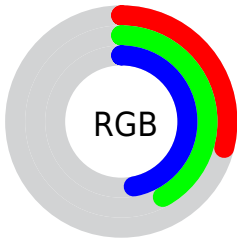
Format	Color
R_{YB}	75, 93, 120
Decimal	4942456
CIE _{Lab}	43.00, -7.41, -11.40
CIE _{LCh}	43, 13.599, 236.961
Yxy	13.1600, 0.2583, 0.2970
Android (android.graphics.Color)	4283132536 (0xFF4B6A78)
YUV	98.3270, 10.6848, -20.4578
Hunter-Lab	36.2767, -7.1651, -6.8138

Details

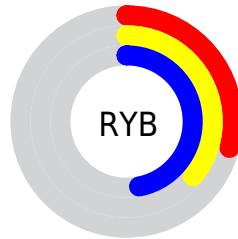
The XYZ color **11.4458, 13.1600, 19.7062** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5882, 11.6458, 8.2412**, and the grayscale version is **11.6695, 12.2772, 13.3699**.

A 20% lighter version of the original color is **28.1075, 31.5281, 43.6338**, and **3.1857, 3.8288, 6.7020** is the 20% darker color. If you saturate the color by 10%, you get **10.2180, 11.9686, 19.5412**, and if you desaturate by 10%, it is **12.8682, 14.4772, 19.8857**.

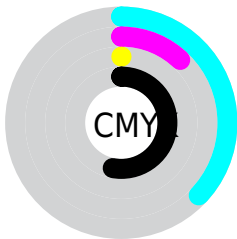
Distribution



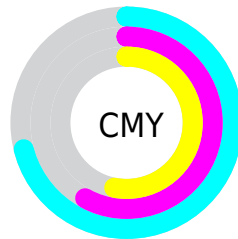
- Red (29%)
- Green (42%)
- Blue (47%)



- Red (29%)
- Yellow (36%)
- Blue (47%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)



- Cyan (71%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4458, 13.1600, 19.7062 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 11.4458, 13.1600, 19.7062 by changing the saturation by 10% instead.

■ 11.4458, 13.1600,
19.7062

■ 11.4458, 13.1600,
19.7062

194.5468,
211.9406, 262.8716

■ 6.4370, 7.5388,
11.9997

■ 28.1073, 31.5909,
43.7765

■ 3.1558, 3.8013,
6.6209

■ 40.4908, 45.1695,
60.9775

■ 1.2367, 1.5630,
3.1514

■ 56.0632, 62.1692,
82.1803

■ 0.1350, 0.3325,
1.1724

■ 75.1899, 82.9747,
107.8035

■ 0.0000, 0.0000,
0.0000

■ 98.2363, 107.9701,
138.2657

125.5676,

137.5400, 173.9854

157.5493,
172.0687, 215.3812

■ 11.4458, 13.1600,
19.7062

■ 11.4458, 13.1600,
19.7062

■ 10.2180, 11.9686,
19.5412

■ 12.8682, 14.4772,
19.8857

■ 9.1735, 10.8960,
19.3892

■ 14.4934, 15.9238,
20.0793

■ 8.3015, 9.9365,
19.2499

■ 16.3307, 17.5052,
20.2877

■ 7.5893, 9.0833,
19.1228

■ 18.3882, 19.2259,
20.5114

■ 7.0228, 8.3288,
19.0070

■ 20.6737, 21.0902,
20.7507

■ 6.5675, 7.6549,
18.9009

■ 23.1946, 23.1022,
21.0062

■ 6.4584, 7.4924,
18.8753

■ 25.9579, 25.2658,
21.2782

■ 28.9705, 27.5848,
21.5670

■ 32.2387, 30.0628,
21.8731

Harmonies

Analogous

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



10.8036, 13.1600, 17.0954



11.4458, 13.1600, 19.7062



12.4021, 13.1600, 20.8674

Triad

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



11.4458, 13.1600, 19.7062



14.6207, 13.1600, 14.6359



11.6204, 13.1600, 9.7931

Complementary

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



11.4458, 13.1600, 19.7062



12.5882, 11.6458, 8.2412

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.



12.6149, 13.1600, 9.3226



11.4458, 13.1600, 19.7062



14.3832, 13.1600, 11.8784

Square

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



11.4458, 13.1600, 19.7062



14.2667, 13.1600, 17.6959



13.6344, 13.1600, 10.0315



10.9004, 13.1600, 11.4188

Rectangle

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



11.4458, 13.1600, 19.7062



13.1027, 13.1600, 20.5583



13.6344, 13.1600, 10.0315



11.9319, 13.1600, 9.5054

Sweetspot

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



11.4462, 13.1605, 19.7065



27.4595, 29.7112, 35.5406



11.4006, 15.6419, 11.7600



6.4256, 6.9709, 8.4135



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.



11.4462, 13.1605, 19.7065



18.2534, 21.3305, 34.4082



9.4623, 9.1928, 19.0452



4.0069, 4.3120, 5.0643



7.0327, 8.1478, 20.5873



32.7623, 37.2972, 97.9421

Inverse Universe

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



12.8636, 10.0661, 14.9012



21.2030, 15.3224, 24.3121



14.7004, 15.8702, 8.9452



4.1039, 4.0573, 4.7449



10.1331, 5.0294, 9.2578



47.9400, 23.8324, 42.0758

Previews

White Background



This preview shows how the XYZ color 11.4458, 13.1600, 19.7062 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 11.4458, 13.1600, 19.7062 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

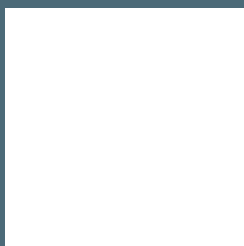
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.4458, 13.1600, 19.7062

Background



This preview shows how black text looks on a background with the XYZ color 11.4458, 13.1600, 19.7062.

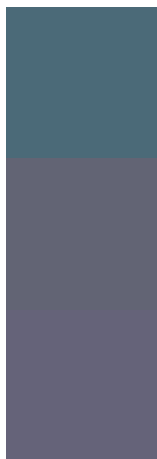


This preview shows how white text looks on a background with the XYZ color 11.4458, 13.1600,

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

11.4458, 13.1600, 19.7062

Protanopia

12.7466, 12.9720, 18.3550

Deuteranopia

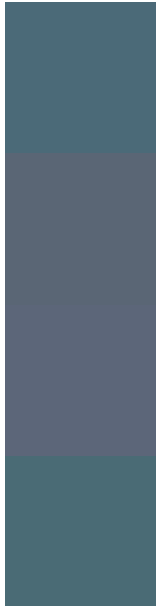
13.2799, 13.0709, 19.9122



Tritanopia

11.1762, 13.2090, 18.1802

Trichromacy



Original Color

11.4458, 13.1600, 19.7062

Protanomaly

12.1787, 12.9608, 18.6894

Deuteranomaly

12.6162, 13.1585, 19.9641

Tritanomaly

11.2926, 13.2556, 18.7930

Monochromacy



Original Color

11.4458, 13.1600, 19.7062

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4716, 12.5216, 15.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4458, 13.1600, 19.7062 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(75, 106, 120)` looks like.

```
.text, #text, p{  
    color:rgb(75, 106, 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(75, 106, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.4458, 13.1600, 19.7062 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(75, 106, 120) }
```


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

```
.border{ border-color:rgb(75, 106, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 106, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 120);  
box-shadow:4px 4px 4px 4px rgb(75, 106,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4458, 13.1600, 19.7062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 106, 120) }
```

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

```
.background{ background-color: rgb(75, 106,  
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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