

Converting Colors

XYZ(11.9403, 13.2354, 25.0691)

Have a look what the booklet for
XYZ(11.9403, 13.2354, 25.0691)
contains.

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Color

**XYZ(11.9819, 13.3146,
25.2310)**

Conversions

Conversions Part 1

Format	Color
Hex	446A88
RGB	68, 106, 136
RGB Percent	27%, 42%, 53%
CMY	0.7333, 0.5843, 0.4667
CMYK	0.50, 0.22, 0.00, 0.47
HSL	206°, 33%, 40%
HSV	206°, 50%, 53%
XYZ	11.9819, 13.3146, 25.2310
YIQ	98.0580, -32.2780, 1.2740

Conversions

Conversions Part 2

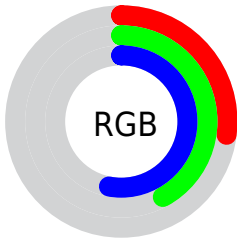
Format	Color
R_{YB}	68, 92, 136
Decimal	4483720
CIE _{Lab}	43.23, -4.61, -20.72
CIE _{LCh}	43, 21.224, 257.455
Yxy	13.3146, 0.2371, 0.2635
Android (android.graphics.Color)	4282673800 (0xFF446A88)
YUV	98.0580, 18.7054, -26.3609
Hunter-Lab	36.4892, -5.2423, -15.4546

Details

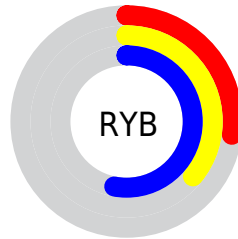
The XYZ color **11.9819, 13.3146, 25.2310** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.5649, 14.3875, 7.4261**, and the grayscale version is **11.5850, 12.1883, 13.2731**.

A 20% lighter version of the original color is **28.9880, 31.7811, 52.7507**, and **3.3817, 3.8710, 9.3730** is the 20% darker color. If you saturate the color by 10%, you get **10.5444, 11.6877, 24.9930**, and if you desaturate by 10%, it is **13.6837, 15.1425, 25.4944**.

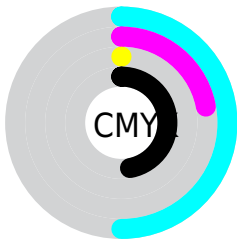
Distribution



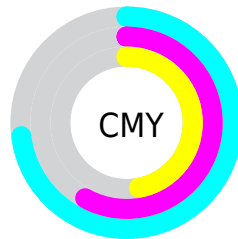
- Red (27%)
- Green (42%)
- Blue (53%)



- Red (27%)
- Yellow (36%)
- Blue (53%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (47%)



- Cyan (73%)
- Magenta (58%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9819, 13.3146, 25.2310 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 11.9819, 13.3146, 25.2310 by changing the saturation by 10% instead.

■ 11.9819, 13.3146,
25.2310

■ 11.9819, 13.3146,
25.2310

198.0578,
212.9242, 292.4708

■ 6.8035, 7.6455,
16.0287

■ 29.0793, 31.8678,
53.0005

■ 3.3847, 3.8690,
9.3899

■ 41.7289, 45.5208,
72.4047

■ 1.3603, 1.6005,
4.8961

■ 57.5997, 62.6038,
96.0466

■ 0.2277, 0.3580,
2.1287

■ 77.0570, 83.5014,
124.3448

■ 0.0000, 0.0000,
0.6328

■ 100.4660,
108.5978, 157.7178

■ 0.0000, 0.0000,
0.0000

128.1923,

138.2774, 196.5841

160.6011,
172.9248, 241.3622

■ 11.9819, 13.3146,
25.2310

■ 11.9819, 13.3146,
25.2310

■ 10.5444, 11.6877,
24.9930

■ 13.6837, 15.1425,
25.4944

■ 9.3535, 10.2507,
24.7784

■ 15.6632, 17.1787,
25.7831

■ 8.3912, 8.9931,
24.5864

■ 17.9344, 19.4322,
26.0983

■ 7.6364, 7.9026,
24.4157

■ 20.5102, 21.9105,
26.4409

■ 7.0286, 6.9467,
24.2632

■ 23.4024, 24.6211,
26.8117

■ 7.0284, 6.9465,
24.2631

■ 26.6222, 27.5708,
27.2113

■ 30.1803, 30.7662,
27.6406

■ 34.0869, 34.2137,
28.1001

■ 38.3515, 37.9193,
28.5906

Harmonies

Analogous

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



10.6388, 13.3146, 22.2281



11.9819, 13.3146, 25.2310



13.6256, 13.3146, 24.9422

Triad

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



11.9819, 13.3146, 25.2310



15.9109, 13.3146, 11.9517



10.4694, 13.3146, 9.2043

Complementary

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



11.9819, 13.3146, 25.2310



15.5649, 14.3875, 7.4261

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.



11.7319, 13.3146, 7.4714



11.9819, 13.3146, 25.2310



14.9114, 13.3146, 8.8058

Square

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



11.9819, 13.3146, 25.2310



15.9925, 13.3146, 16.5506



13.3531, 13.3146, 7.3433



9.8177, 13.3146, 12.6213

Rectangle

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



11.9819, 13.3146, 25.2310



14.6731, 13.3146, 22.9214



13.3531, 13.3146, 7.3433



10.8312, 13.3146, 8.4408

Sweetspot

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



11.9823, 13.3151, 25.2313



33.6582, 36.2354, 46.2685



13.3680, 19.7094, 14.5240



7.6049, 8.2083, 10.6899



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.9823, 13.3151, 25.2313



18.2845, 20.2483, 43.9930



9.1804, 7.7111, 24.2973



4.9912, 5.3254, 6.3707



6.6615, 6.5933, 22.9672



0.0589, 0.0730, 0.1574

Inverse Universe

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



14.8224, 10.4096, 14.8642



24.0946, 15.2473, 22.5728



19.3762, 22.0102, 8.6966



5.1422, 5.0923, 5.8372



10.8492, 5.4498, 6.9763



0.0795, 0.0392, 0.0852

Previews

White Background



This preview shows how the XYZ color 11.9819, 13.3146, 25.2310 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 11.9819, 13.3146, 25.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

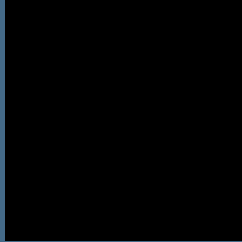
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

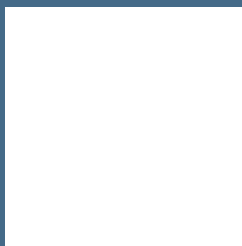
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9819, 13.3146, 25.2310

Background



This preview shows how black text looks on a background with the XYZ color 11.9819, 13.3146, 25.2310.

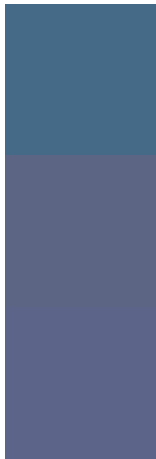


This preview shows how white text looks on a background with the XYZ color 11.9819, 13.3146,

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

11.9819, 13.3146, 25.2310

Protanopia

13.3327, 13.3005, 23.6943

Deuteranopia

13.4862, 13.1958, 25.5032



Tritanopia

10.7253, 13.2694, 19.1355

Trichromacy



Original Color

11.9819, 13.3146, 25.2310

Protanomaly

12.7400, 13.2788, 24.0819

Deuteranomaly

12.8340, 13.1479, 25.5283

Tritanomaly

11.1786, 13.2958, 21.3792

Monochromacy



Original Color

11.9819, 13.3146, 25.2310

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5088, 12.5034, 17.1361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9819, 13.3146, 25.2310 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(68, 106, 136)` looks like.

```
.text, #text, p{  
    color:rgb(68, 106, 136)  
}
```

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(68, 106, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 106, 136) }
```

Border

The CSS property to change the border of an element to XYZ 11.9819, 13.3146, 25.2310 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(68, 106, 136) }
```


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

```
.border{ border-color:rgb(68, 106, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 106, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 106, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 106, 136);  
box-shadow:4px 4px 4px 4px rgb(68, 106,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9819, 13.3146, 25.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 106, 136) }
```

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

```
.background{ background-color: rgb(68, 106,  
136) }
```

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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