

Converting Colors

XYZ(11.9750, 14.5357, 29.7585)

Have a look what the booklet for
XYZ(11.9750, 14.5357, 29.7585)
contains.

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Color

**XYZ(11.9435, 14.4813,
29.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	227293
RGB	34, 114, 147
RGB Percent	13%, 45%, 58%
CMY	0.8666, 0.5529, 0.4235
CMYK	0.77, 0.22, 0.00, 0.42
HSL	198°, 62%, 35%
HSV	198°, 77%, 58%
XYZ	11.9435, 14.4813, 29.7694
YIQ	93.8420, -58.2730, -6.6970

Conversions

Conversions Part 2

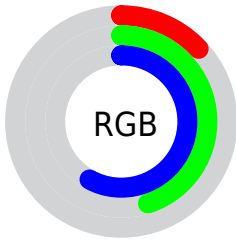
Format	Color
R_{YB}	34, 81, 147
Decimal	2257555
CIE _{Lab}	44.92, -12.13, -24.78
CIE _{LCh}	45, 27.590, 243.923
Yxy	14.4813, 0.2125, 0.2577
Android (android.graphics.Color)	4280447635 (0xFF227293)
YUV	93.8420, 26.2069, -52.4814
Hunter-Lab	38.0543, -10.5721, -19.7438

Details

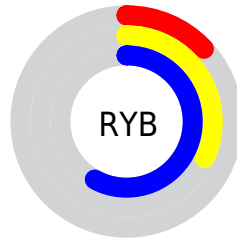
The XYZ color **11.9435, 14.4813, 29.7694** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.3293, 10.3340, 2.7536**, and the grayscale version is **10.5529, 11.1024, 12.0905**.

A 20% lighter version of the original color is **29.0027, 33.9763, 60.2878**, and **4.0595, 4.7410, 11.7675** is the 20% darker color. If you saturate the color by 10%, you get **11.0857, 13.3372, 29.5941**, and if you desaturate by 10%, it is **13.0324, 15.7788, 29.9627**.

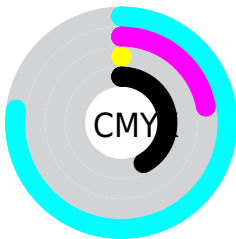
Distribution



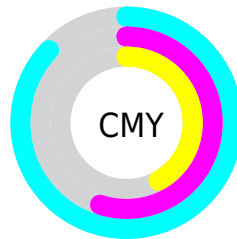
- Red (13%)
- Green (45%)
- Blue (58%)



- Red (13%)
- Yellow (32%)
- Blue (58%)



- Cyan (77%)
- Magenta (22%)
- Yellow (0%)
- Black (42%)



- Cyan (87%)
- Magenta (55%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9435, 14.4813, 29.7694 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 11.9435, 14.4813, 29.7694 by changing the saturation by 10% instead.

■ 11.9435, 14.4813,
29.7694

■ 11.9435, 14.4813,
29.7694

197.8084,
220.2048, 315.0019

■ 6.7771, 8.4562,
19.4131

■ 29.0099, 33.9406,
60.3540

■ 3.3682, 4.3882,
11.7893

■ 41.6407, 48.1436,
81.4193

■ 1.3513, 1.8930,
6.4796

■ 57.4903, 65.8413,
106.8914

■ 0.2212, 0.5442,
3.0654

■ 76.9241, 87.4182,
137.1888

■ 0.0000, 0.0000,
1.1281

■ 100.3075,
113.2585, 172.7300

■ 0.0000, 0.0000,
0.0000

■ 128.0057,

143.7469, 213.9335

160.3843,
179.2675, 261.2180

■ 11.9435, 14.4813,
29.7694

■ 11.9435, 14.4813,
29.7694

■ 11.0857, 13.3372,
29.5941

■ 13.0324, 15.7788,
29.9627

■ 10.4182, 12.3243,
29.4337

■ 14.3746, 17.2408,
30.1742

■ 10.2237, 12.0211,
29.3855

■ 15.9914, 18.8790,
30.4052

■ 17.9012, 20.7033,
30.6566

■ 20.1208, 22.7228,
30.9295

■ 22.6655, 24.9458,
31.2244

■ 25.5498, 27.3802,
31.5423

■ 28.7870, 30.0333,
31.8838

■ 32.3900, 32.9120,
32.2495

Harmonies

Analogous

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



10.4685, 14.4813, 23.7687



11.9435, 14.4813, 29.7694



14.0630, 14.4813, 31.6974

Triad

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



11.9435, 14.4813, 29.7694



18.5623, 14.4813, 14.9328



11.4819, 14.4813, 7.5409

Complementary

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



11.9435, 14.4813, 29.7694



14.3293, 10.3340, 2.7536

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.



13.4694, 14.4813, 6.3358



11.9435, 14.4813, 29.7694



17.6874, 14.4813, 9.8000

Square

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



11.9435, 14.4813, 29.7694



18.0406, 14.4813, 21.8850



15.7608, 14.4813, 7.0329



10.2231, 14.4813, 10.9118

Rectangle

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



11.9435, 14.4813, 29.7694



15.5995, 14.4813, 30.0721



15.7608, 14.4813, 7.0329



12.0785, 14.4813, 6.9182

Sweetspot

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



11.9440, 14.4818, 29.7698



37.5120, 42.0015, 55.5646



12.0779, 21.6015, 8.6909



8.2325, 9.2955, 12.6451



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.9440, 14.4818, 29.7698



18.9916, 22.5930, 52.7945



7.4645, 5.5227, 28.2766



5.8225, 6.2790, 7.3748



8.8853, 10.4655, 25.4828



0.1343, 0.1791, 0.3204

Inverse Universe

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



15.6424, 8.5627, 16.7483



26.4474, 13.3484, 25.9407



19.3451, 20.3656, 4.4255



5.9639, 5.8806, 6.9158



12.6120, 6.2499, 11.9697



0.1672, 0.0816, 0.2143

Previews

White Background



This preview shows how the XYZ color 11.9435, 14.4813, 29.7694 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 11.9435, 14.4813, 29.7694 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

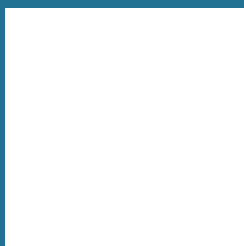
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9435, 14.4813, 29.7694

Background



This preview shows how black text looks on a background with the XYZ color 11.9435, 14.4813, 29.7694.

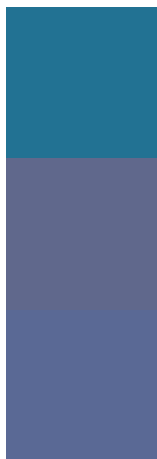


This preview shows how white text looks on a background with the XYZ color 11.9435, 14.4813,

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

11.9435, 14.4813, 29.7694

Protanopia

14.5078, 14.2809, 26.8028

Deuteranopia

14.6928, 14.4467, 30.4479



Tritanopia

10.3342, 14.5021, 22.3332

Trichromacy



Original Color

11.9435, 14.4813, 29.7694

Protanomaly

13.0681, 14.1248, 28.0242

Deuteranomaly

13.2336, 14.1653, 30.0537

Tritanomaly

10.8455, 14.5372, 24.7886

Monochromacy



Original Color

11.9435, 14.4813, 29.7694

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3068, 11.8773, 17.3721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9435, 14.4813, 29.7694 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(34, 114, 147)` looks like.

```
.text, #text, p{  
    color:rgb(34, 114, 147)  
}
```

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(34, 114, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 114, 147) }
```

Border

The CSS property to change the border of an element to XYZ 11.9435, 14.4813, 29.7694 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(34, 114, 147) }
```


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

```
.border{ border-color:rgb(34, 114, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 114, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 114, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 114, 147);  
box-shadow:4px 4px 4px 4px rgb(34, 114,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9435, 14.4813, 29.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 114, 147) }
```

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

```
.background{ background-color: rgb(34, 114,  
147) }
```

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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