

Converting Colors

XYZ(12.1631, 14.3135, 34.9226)

Have a look what the booklet for
XYZ(12.1631, 14.3135, 34.9226)
contains.

XYZ(12.1631, 14.3135, 34.9226)	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(12.1631, 14.3135,
34.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	00719F
RGB	0, 113, 159
RGB Percent	0%, 44%, 62%
CMY	0.9999, 0.5569, 0.3765
CMYK	1.00, 0.29, 0.00, 0.38
HSL	197°, 100%, 31%
HSV	197°, 100%, 62%
XYZ	12.1631, 14.3135, 34.9226
YIQ	84.4570, -82.1140, -9.6500

Conversions

Conversions Part 2

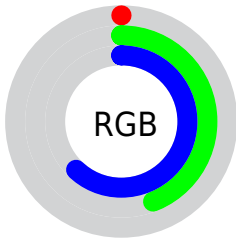
Format	Color
R _Y B	0, 66, 159
Decimal	29087
CIE Lab	44.68, -9.58, -32.28
CIE LCh	45, 33.676, 253.465
Yxy	14.3135, 0.1981, 0.2331
Android (android.graphics.Color)	4278219167 (0xFF00719F)
YUV	84.4570, 36.7497, -74.0688
Hunter-Lab	37.8332, -8.8216, -28.2455

Details

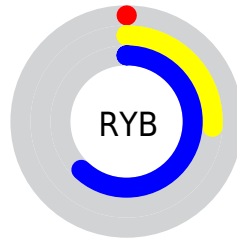
The XYZ color **12.1631, 14.3135, 34.9226** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.2761, 9.3266, 0.9957**, and the grayscale version is **8.4612, 8.9019, 9.6942**.

A 20% lighter version of the original color is **29.4305, 33.7437, 68.5804**, and **4.5441, 4.8421, 14.6050** is the 20% darker color. If you saturate the color by 10%, you get **12.1627, 14.3125, 34.9227**, and if you desaturate by 10%, it is **12.9021, 15.4760, 35.1083**.

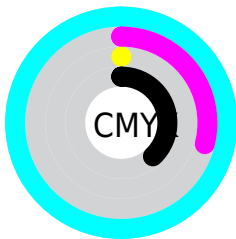
Distribution



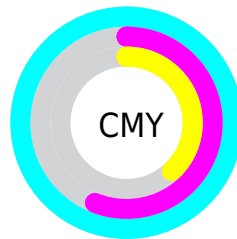
- Red (0%)
- Green (44%)
- Blue (62%)



- Red (0%)
- Yellow (26%)
- Blue (62%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (56%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1631, 14.3135, 34.9226 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 12.1631, 14.3135, 34.9226 by changing the saturation by 10% instead.

12.1631, 14.3135,
34.9226

12.1631, 14.3135,
34.9226

199.2300,
219.1725, 339.1204

6.9278, 8.3390,
23.3202

29.4061, 33.6443,
68.5161

3.4629, 4.3126,
14.6226

42.1445, 47.7693,
91.3442

1.4030, 1.8499,
8.4113

58.1148, 65.3801,
118.7513

0.2584, 0.5180,
4.2677

77.6821, 86.8609,
151.1559

0.0000, 0.0000,
1.7733

101.2120,
112.5961, 188.9766

0.0000, 0.0000,
0.4103

129.0697,

0.0000, 0.0000,

142.9702, 232.6319

0.0000

161.6206,
178.3675, 282.5403

■ 12.1631, 14.3135,
34.9226

■ 12.1631, 14.3135,
34.9226

■ 12.1627, 14.3125,
34.9227

■ 12.9021, 15.4760,
35.1083

■ 13.8326, 16.7763,
35.3103

■ 15.0278, 18.2528,
35.5323

■ 16.5184, 19.9218,
35.7759

■ 18.3307, 21.7974,
36.0424

■ 20.4879, 23.8921,
36.3330

■ 23.0108, 26.2171,
36.6488

■ 25.9188, 28.7829,
36.9908

■ 29.2295, 31.5992,
37.3599

Harmonies

Analogous

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



10.1358, 14.3135, 28.3997



12.1631, 14.3135, 34.9226



14.8652, 14.3135, 35.2812

Triad

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



12.1631, 14.3135, 34.9226



19.3818, 14.3135, 12.3367



10.3003, 14.3135, 7.0150

Complementary

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



12.1631, 14.3135, 34.9226



15.2761, 9.3266, 0.9957

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.



12.4172, 14.3135, 5.0524



12.1631, 14.3135, 34.9226



17.7862, 14.3135, 7.3552

Square

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



12.1631, 14.3135, 34.9226



19.2897, 14.3135, 20.2726



15.1556, 14.3135, 5.1515



9.1631, 14.3135, 11.6821

Rectangle

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



12.1631, 14.3135, 34.9226



16.7129, 14.3135, 31.8132



15.1556, 14.3135, 5.1515



10.9077, 14.3135, 6.0995

Sweetspot

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



12.1636, 14.3140, 34.9230



40.9278, 46.6975, 65.5998



12.8734, 24.9866, 6.6336



8.8080, 10.1459, 14.7378



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.1636, 14.3140, 34.9230



21.6082, 25.2843, 62.4849



6.8438, 3.6742, 33.1497



6.6596, 7.1849, 8.4425



9.6435, 11.3785, 27.5952



0.2066, 0.2718, 0.5048

Inverse Universe

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



17.2792, 8.5637, 16.3655



30.8563, 15.3006, 28.8433



21.5757, 21.9258, 3.0955



6.8223, 6.7218, 7.9152



13.6658, 6.7709, 13.0229



0.2616, 0.1280, 0.3237

Previews

White Background



This preview shows how the XYZ color 12.1631, 14.3135, 34.9226 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 12.1631, 14.3135, 34.9226 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 12.1631, 14.3135, 34.9226

Background



This preview shows how black text looks on a background with the XYZ color 12.1631, 14.3135, 34.9226.

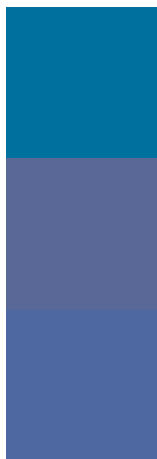


This preview shows how white text looks on a background with the XYZ color 12.1631, 14.3135,

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

12.1631, 14.3135, 34.9226

Protanopia

14.7527, 14.3087, 31.2625

Deuteranopia

14.6265, 14.2961, 35.7067



Tritanopia

10.1272, 14.2289, 21.9514

Trichromacy



Original Color

12.1631, 14.3135, 34.9226

Protanomaly

12.7778, 13.7183, 32.5463

Deuteranomaly

13.0231, 13.9413, 35.2623

Tritanomaly

10.8328, 14.3258, 26.2390

Monochromacy



Original Color

12.1631, 14.3135, 34.9226

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.4297, 10.0890, 16.5420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1631, 14.3135, 34.9226 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(0, 113, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 159)  
}
```

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(0, 113, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 159) }
```

Border

The CSS property to change the border of an element to XYZ 12.1631, 14.3135, 34.9226 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(0, 113, 159) }
```


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

```
.border{ border-color:rgb(0, 113, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1631, 14.3135, 34.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 159) }
```

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

```
.background{ background-color: rgb(0, 113,  
159) }
```

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