

Converting Colors

XYZ(14.9040, 18.2894, 34.9215)

Have a look what the booklet for
XYZ(14.9040, 18.2894, 34.9215)
contains.

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Color

**XYZ(14.8876, 18.2282,
35.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	2E7F9E
RGB	46, 127, 158
RGB Percent	18%, 50%, 62%
CMY	0.8196, 0.5020, 0.3804
CMYK	0.71, 0.20, 0.00, 0.38
HSL	197°, 55%, 40%
HSV	197°, 71%, 62%
XYZ	14.8876, 18.2282, 35.0815
YIQ	106.3150, -58.2270, -7.5310

Conversions

Conversions Part 2

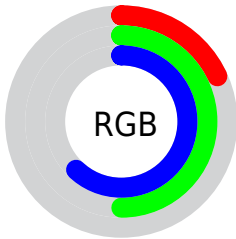
Format	Color
RYB	46, 93, 158
Decimal	3047326
CIELab	49.77, -13.97, -23.71
CIElCh	50, 27.522, 239.487
Yxy	18.2282, 0.2183, 0.2673
Android (android.graphics.Color)	4281237406 (0xFF2E7F9E)
YUV	106.3150, 25.4807, -52.8963
Hunter-Lab	42.6945, -12.4723, -18.8317

Details

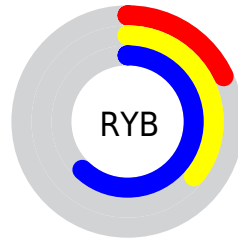
The XYZ color **14.8876, 18.2282, 35.0815** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.2482, 12.7749, 4.1421**, and the grayscale version is **13.7304, 14.4454, 15.7311**.

A 20% lighter version of the original color is **34.2754, 40.5108, 68.9637**, and **5.3782, 6.5103, 14.8831** is the 20% darker color. If you saturate the color by 10%, you get **13.7500, 16.8217, 34.8703**, and if you desaturate by 10%, it is **16.3129, 19.8201, 35.3140**.

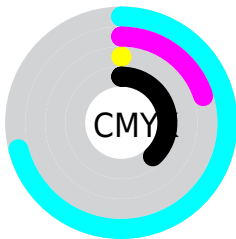
Distribution



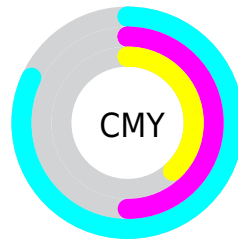
- Red (18%)
- Green (50%)
- Blue (62%)



- Red (18%)
- Yellow (36%)
- Blue (62%)



- Cyan (71%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8876, 18.2282, 35.0815 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 14.8876, 18.2282, 35.0815 by changing the saturation by 10% instead.

■ 14.8876, 18.2282,
35.0815

■ 14.8876, 18.2282,
35.0815

■ 216.0868,
242.1542, 339.8431

■ 8.8263, 11.1139,
23.4416

■ 34.2292, 40.4258,
68.7650

■ 4.6843, 6.1435,
14.7116

■ 48.2402, 56.2779,
91.6457

■ 2.0961, 2.9326,
8.4728

■ 65.6318, 75.8115,
119.1104

■ 0.6871, 1.0966,
4.3069

■ 86.7694, 99.4108,
151.5777

■ 0.0000, 0.0000,
1.7952

■ 112.0184,
127.4604, 189.4660

■ 0.0000, 0.0000,
0.4248

■ 141.7440,

■ 0.0000, 0.0000,

160.3445, 233.1940

0.0000

176.3117,
198.4476, 283.1802

■ 14.8876, 18.2282,
35.0815

■ 14.8876, 18.2282,
35.0815

■ 13.7500, 16.8217,
34.8703

■ 16.3129, 19.8201,
35.3140

■ 12.8676, 15.5824,
34.6776

■ 18.0501, 21.6093,
35.5678

■ 12.2192, 14.5638,
34.5152

■ 20.1229, 23.6088,
35.8445

■ 22.5521, 25.8298,
36.1451

■ 25.3566, 28.2823,
36.4707

■ 28.5540, 30.9760,
36.8221

■ 32.1609, 33.9198,
37.2002

■ 36.1925, 37.1219,
37.6058

■ 40.6636, 40.5903,
38.0396

Harmonies

Analogous

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



13.2938, 18.2282, 27.8440



14.8876, 18.2282, 35.0815



17.2802, 18.2282, 38.0884

Triad

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



14.8876, 18.2282, 35.0815



22.8766, 18.2282, 19.9772



14.9585, 18.2282, 9.7387

Complementary

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



14.8876, 18.2282, 35.0815



17.2482, 12.7749, 4.1421

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.



17.3706, 18.2282, 8.6204



14.8876, 18.2282, 35.0815



22.0992, 18.2282, 13.5503

Square

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



14.8876, 18.2282, 35.0815



22.0461, 18.2282, 28.1260



20.0157, 18.2282, 9.8195



13.3317, 18.2282, 13.3772

Rectangle

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



14.8876, 18.2282, 35.0815



19.0637, 18.2282, 36.8252



20.0157, 18.2282, 9.8195



15.6961, 18.2282, 9.1035

Sweetspot

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



14.8882, 18.2289, 35.0819



45.7607, 51.1142, 66.1976



14.6540, 25.5550, 10.9743



10.0064, 11.2557, 14.8888



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.



14.8882, 18.2289, 35.0819



23.9912, 29.2124, 63.1175



9.6249, 7.7022, 33.3275



6.6665, 7.1988, 8.4448



9.8204, 11.7323, 27.6542



0.2088, 0.2762, 0.5055

Inverse Universe

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



18.9088, 10.7560, 21.1588



32.2638, 16.6468, 33.8400



22.8274, 23.9334, 6.0019



6.8258, 6.7232, 7.9336



13.7551, 6.8066, 13.4932



0.2627, 0.1284, 0.3295

Previews

White Background



This preview shows how the XYZ color 14.8876, 18.2282, 35.0815 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 14.8876, 18.2282, 35.0815 looks on a black 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

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

XYZ 14.8876, 18.2282, 35.0815

Background



This preview shows how black text looks on a background with the XYZ color 14.8876, 18.2282, 35.0815.



This preview shows how white text looks on a background with the XYZ color 14.8876, 18.2282,

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

14.8876, 18.2282, 35.0815

Protanopia

18.0571, 17.9440, 31.3660

Deuteranopia

18.4163, 18.0321, 35.7676



Tritanopia

13.4500, 18.2284, 28.0089

Trichromacy



Original Color

14.8876, 18.2282, 35.0815

Protanomaly

16.3040, 17.7113, 32.6963

Deuteranomaly

16.6306, 17.8210, 35.3641

Tritanomaly

13.9160, 18.2192, 30.3870

Monochromacy



Original Color

14.8876, 18.2282, 35.0815

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3751, 15.4001, 21.6696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8876, 18.2282, 35.0815 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(46, 127, 158)` looks like.

```
.text, #text, p{  
    color:rgb(46, 127, 158)  
}
```

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(46, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 127, 158) }
```

Border

The CSS property to change the border of an element to XYZ 14.8876, 18.2282, 35.0815 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(46, 127, 158) }
```


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

```
.border{ border-color:rgb(46, 127, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 127, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(46, 127,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8876, 18.2282, 35.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 127, 158) }
```

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

```
.background{ background-color: rgb(46, 127,  
158) }
```

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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