

Converting Colors

XYZ(14.8451, 17.5285, 36.7842)

Have a look what the booklet for
XYZ(14.8451, 17.5285, 36.7842)
contains.

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Color

**XYZ(14.9015, 17.6283,
36.7996)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7CA2
RGB	47, 124, 162
RGB Percent	18%, 49%, 64%
CMY	0.8157, 0.5137, 0.3647
CMYK	0.71, 0.23, 0.00, 0.36
HSL	200°, 55%, 41%
HSV	200°, 71%, 64%
XYZ	14.9015, 17.6283, 36.7996
YIQ	105.3090, -58.0900, -4.5060

Conversions

Conversions Part 2

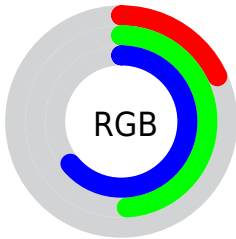
Format	Color
R_{YB}	47, 93, 162
Decimal	3112098
CIE _{Lab}	49.04, -10.75, -27.17
CIE _{LCh}	49, 29.219, 248.423
Yxy	17.6283, 0.2149, 0.2543
Android (android.graphics.Color)	4281302178 (0xFF2F7CA2)
YUV	105.3090, 27.9487, -51.1370
Hunter-Lab	41.9861, -10.1232, -22.5758

Details

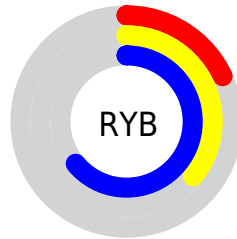
The XYZ color **14.9015, 17.6283, 36.7996** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.6625, 14.3845, 4.4828**, and the grayscale version is **13.4496, 14.1500, 15.4093**.

A 20% lighter version of the original color is **34.1131, 39.1862, 71.4114**, and **5.3305, 6.1579, 15.6595** is the 20% darker color. If you saturate the color by 10%, you get **13.6360, 16.0072, 36.5537**, and if you desaturate by 10%, it is **16.4819, 19.4664, 37.0715**.

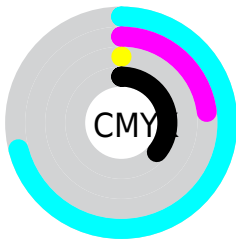
Distribution



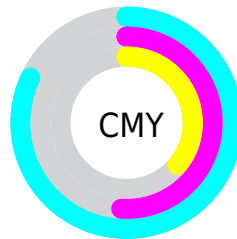
- Red (18%)
- Green (49%)
- Blue (64%)



- Red (18%)
- Yellow (36%)
- Blue (64%)



- Cyan (71%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (82%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9015, 17.6283, 36.7996 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 14.9015, 17.6283, 36.7996 by changing the saturation by 10% instead.

■ 14.9015, 17.6283,
36.7996

■ 14.9015, 17.6283,
36.7996

■ 216.1695,
238.7675, 347.5846

■ 8.8362, 10.6835,
24.7578

■ 34.2534, 39.4029,
71.4473

■ 4.6907, 5.8544,
15.6793

■ 48.2706, 55.0015,
94.8904

■ 2.0998, 2.7568,
9.1456

■ 65.6692, 74.2535,
122.9709

■ 0.6891, 1.0061,
4.7382

■ 86.8144, 97.5432,
156.1074

■ 0.0000, 0.0000,
2.0384

■ 112.0717,
125.2550, 194.7185

■ 0.0000, 0.0000,
0.5788

■ 141.8064,

■ 0.0000, 0.0000,

157.7735, 239.2227

0.0000

176.3839,
195.4828, 290.0386

■ 14.9015, 17.6283,
36.7996

■ 14.9015, 17.6283,
36.7996

■ 13.6360, 16.0072,
36.5537

■ 16.4819, 19.4664,
37.0715

■ 12.6505, 14.5833,
36.3308

■ 18.4033, 21.5350,
37.3695

■ 11.9338, 13.4330,
36.1466

■ 20.6913, 23.8483,
37.6954

■ 23.3680, 26.4184,
38.0504

■ 26.4540, 29.2569,
38.4356

■ 29.9681, 32.3741,
38.8521

■ 33.9282, 35.7799,
39.3008

■ 38.3507, 39.4838,
39.7826

■ 43.2516, 43.4945,
40.2984

Harmonies

Analogous

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



12.9769, 17.6283, 30.1094



14.9015, 17.6283, 36.7996



17.5343, 17.6283, 38.1896

Triad

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



14.9015, 17.6283, 36.7996



22.4900, 17.6283, 17.0794



13.7058, 17.6283, 9.6761

Complementary

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



14.9015, 17.6283, 36.7996



18.6625, 14.3845, 4.4828

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.



15.9995, 17.6283, 7.8494



14.9015, 17.6283, 36.7996



21.2037, 17.6283, 11.2986

Square

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



14.9015, 17.6283, 36.7996



22.1142, 17.6283, 25.2573



18.7565, 17.6283, 8.3498



12.3405, 17.6283, 14.1885

Rectangle

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



14.9015, 17.6283, 36.7996



19.3744, 17.6283, 35.6435



18.7565, 17.6283, 8.3498



14.3833, 17.6283, 8.7920

Sweetspot

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



14.9021, 17.6289, 36.8000



47.7768, 52.8892, 69.7467



15.6707, 27.0764, 12.6695



10.3862, 11.5660, 15.6226



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.9021, 17.6289, 36.8000



23.6886, 27.5613, 66.1275



9.7667, 7.3581, 35.0882



7.0780, 7.6149, 8.9998



9.4422, 10.6639, 28.4905



0.2388, 0.3050, 0.6121

Inverse Universe

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



19.5554, 11.1703, 20.1948



33.2445, 17.2382, 31.3681



24.9265, 26.9124, 6.5708



7.2643, 7.1622, 8.3783



13.9115, 6.9206, 11.9904



0.3127, 0.1536, 0.3594

Previews

White Background



This preview shows how the XYZ color 14.9015, 17.6283, 36.7996 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 14.9015, 17.6283, 36.7996 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 14.9015, 17.6283, 36.7996

Background



This preview shows how black text looks on a background with the XYZ color 14.9015, 17.6283, 36.7996.

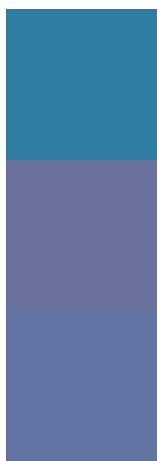


This preview shows how white text looks on a background with the XYZ color 14.9015, 17.6283,

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

14.9015, 17.6283, 36.7996

Protanopia

17.7594, 17.4044, 33.4337

Deuteranopia

17.8686, 17.5385, 37.5654



Tritanopia

12.8861, 17.5636, 27.1371

Trichromacy



Original Color

14.9015, 17.6283, 36.7996

Protanomaly

16.3061, 17.3103, 34.8295

Deuteranomaly

16.3137, 17.2635, 37.1227

Tritanomaly

13.5834, 17.6604, 30.2966

Monochromacy



Original Color

14.9015, 17.6283, 36.7996

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2162, 14.9795, 21.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9015, 17.6283, 36.7996 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(47, 124, 162)` looks like.

```
.text, #text, p{  
    color:rgb(47, 124, 162)  
}
```

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(47, 124, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 124, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.9015, 17.6283, 36.7996 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(47, 124, 162) }
```


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

```
.border{ border-color:rgb(47, 124, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 124, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 124, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 124, 162);  
box-shadow:4px 4px 4px 4px rgb(47, 124,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9015, 17.6283, 36.7996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 124, 162) }
```

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

```
.background{ background-color: rgb(47, 124,  
162) }
```

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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