

Converting Colors

XYZ(14.6523, 17.8190, 34.6183)

Have a look what the booklet for
XYZ(14.6523, 17.8190, 34.6183)
contains.

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Color

**XYZ(14.5917, 17.7059,
34.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7D9D
RGB	47, 125, 157
RGB Percent	18%, 49%, 62%
CMY	0.8157, 0.5098, 0.3843
CMYK	0.70, 0.20, 0.00, 0.38
HSL	197°, 54%, 40%
HSV	197°, 70%, 62%
XYZ	14.5917, 17.7059, 34.5468
YIQ	105.3260, -56.7600, -6.5840

Conversions

Conversions Part 2

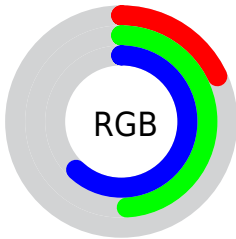
Format	Color
R_{YB}	47, 93, 157
Decimal	3112349
CIE _{Lab}	49.14, -13.04, -24.10
CIE _{LCh}	49, 27.404, 241.591
Yxy	17.7059, 0.2183, 0.2649
Android (android.graphics.Color)	4281302429 (0xFF2F7D9D)
YUV	105.3260, 25.4753, -51.1519
Hunter-Lab	42.0784, -11.7380, -19.2229

Details

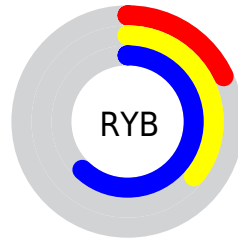
The XYZ color **14.5917, 17.7059, 34.5468** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.2144, 12.9662, 4.2854**, and the grayscale version is **13.4604, 14.1614, 15.4218**.

A 20% lighter version of the original color is **33.8675, 39.7201, 68.1691**, and **5.1860, 6.2095, 14.5609** is the 20% darker color. If you saturate the color by 10%, you get **13.4291, 16.2681, 34.3309**, and if you desaturate by 10%, it is **16.0425, 19.3324, 34.7846**.

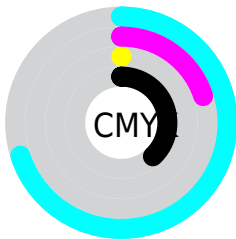
Distribution



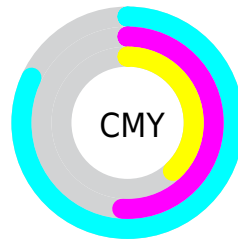
- Red (18%)
- Green (49%)
- Blue (62%)



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



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5917, 17.7059, 34.5468 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 14.5917, 17.7059, 34.5468 by changing the saturation by 10% instead.

■ 14.5917, 17.7059,
34.5468

■ 14.5917, 17.7059,
34.5468

■ 214.3191,
239.2081, 337.4067

■ 8.6178, 10.7390,
23.0332

■ 33.7129, 39.5355,
67.9267

■ 4.5478, 5.8916,
14.4125

■ 47.5908, 55.1671,
90.6301

■ 2.0165, 2.7793,
8.2661

■ 64.8342, 74.4557,
117.9005

■ 0.6432, 1.0176,
4.1755

■ 85.8082, 97.7858,
150.1564

■ 0.0000, 0.0000,
1.7221

■ 110.8784,
125.5416, 187.8165

■ 0.0000, 0.0000,
0.3758

■ 140.4101,

■ 0.0000, 0.0000,

158.1077, 231.2992

0.0000

174.7685,
195.8684, 281.0231

■ 14.5917, 17.7059,
34.5468

■ 14.5917, 17.7059,
34.5468

■ 13.4291, 16.2681,
34.3309

■ 16.0425, 19.3324,
34.7846

■ 12.5230, 15.0012,
34.1341

■ 17.8052, 21.1593,
35.0443

■ 11.8061, 13.8747,
33.9545

■ 19.9027, 23.1993,
35.3276

■ 22.3555, 25.4634,
35.6353

■ 25.1821, 27.9618,
35.9686

■ 28.3998, 30.7037,
36.3282

■ 32.0248, 33.6981,
36.7151

■ 36.0723, 36.9530,
37.1301

■ 40.5565, 40.4766,
37.5738

Harmonies

Analogous

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



12.9707, 17.7059, 27.6571



14.5917, 17.7059, 34.5468



16.9662, 17.7059, 37.1068

Triad

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



14.5917, 17.7059, 34.5468



22.2510, 17.7059, 18.8894



14.3772, 17.7059, 9.5829

Complementary

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



14.5917, 17.7059, 34.5468



17.2144, 12.9662, 4.2854

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.



16.6924, 17.7059, 8.3327



14.5917, 17.7059, 34.5468



21.3851, 17.7059, 12.7904

Square

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



14.5917, 17.7059, 34.5468



21.5460, 17.7059, 26.8025



19.2839, 17.7059, 9.3391



12.8560, 17.7059, 13.3138

Rectangle

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



14.5917, 17.7059, 34.5468



18.7082, 17.7059, 35.6037



19.2839, 17.7059, 9.3391



15.0799, 17.7059, 8.9084

Sweetspot

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



14.5923, 17.7065, 34.5472



44.3775, 49.4497, 64.3325



14.6110, 25.2712, 11.3478



9.4733, 10.6256, 14.1220



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.5923, 17.7065, 34.5472



23.0950, 27.8375, 61.2827



9.5014, 7.5248, 32.8503



6.6587, 7.1832, 8.4422



9.6215, 11.3345, 27.5879



0.2063, 0.2712, 0.5047

Inverse Universe

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



18.6233, 10.6824, 20.4830



31.2809, 16.2433, 32.1235



22.8286, 24.1947, 6.1569



6.8218, 6.7217, 7.9129



13.6547, 6.7664, 12.9645



0.2615, 0.1279, 0.3230

Previews

White Background



This preview shows how the XYZ color 14.5917, 17.7059, 34.5468 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 14.5917, 17.7059, 34.5468 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 14.5917, 17.7059, 34.5468

Background



This preview shows how black text looks on a background with the XYZ color 14.5917, 17.7059, 34.5468.

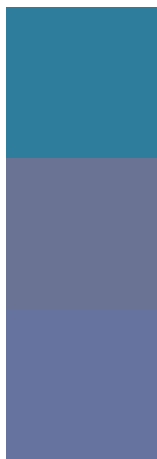


This preview shows how white text looks on a background with the XYZ color 14.5917, 17.7059,

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

14.5917, 17.7059, 34.5468

Protanopia

17.6190, 17.5572, 30.8940

Deuteranopia

17.9823, 17.6482, 35.2596



Tritanopia

13.0391, 17.6425, 27.1442

Trichromacy



Original Color

14.5917, 17.7059, 34.5468

Protanomaly

16.0106, 17.3919, 32.2189

Deuteranomaly

16.3357, 17.5013, 34.8649

Tritanomaly

13.6144, 17.6854, 29.8902

Monochromacy



Original Color

14.5917, 17.7059, 34.5468

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0884, 14.9284, 21.2604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5917, 17.7059, 34.5468 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, 125, 157)` looks like.

```
.text, #text, p{  
    color:rgb(47, 125, 157)  
}
```

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, 125, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 125, 157) }
```

Border

The CSS property to change the border of an element to XYZ 14.5917, 17.7059, 34.5468 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, 125, 157) }
```


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

```
.border{ border-color:rgb(47, 125, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 125, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 125, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 125, 157);  
box-shadow:4px 4px 4px 4px rgb(47, 125,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5917, 17.7059, 34.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 125, 157) }
```

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

```
.background{ background-color: rgb(47, 125,  
157) }
```

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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