

Converting Colors

XYZ(13.5995, 17.7474, 30.0090)

Have a look what the booklet for
XYZ(13.5995, 17.7474, 30.0090)
contains.

XYZ(13.5406, 17.6474, 29.8867)	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(13.5406, 17.6474,
29.8867)**

Conversions

Conversions Part 1

Format	Color
Hex	257F92
RGB	37, 127, 146
RGB Percent	15%, 50%, 57%
CMY	0.8549, 0.5020, 0.4274
CMYK	0.75, 0.13, 0.00, 0.43
HSL	190°, 60%, 36%
HSV	190°, 75%, 57%
XYZ	13.5406, 17.6474, 29.8867
YIQ	102.2560, -59.7390, -13.1710

Conversions

Conversions Part 2

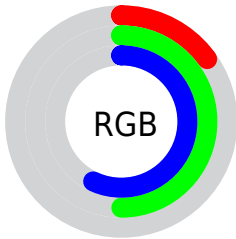
Format	Color
R_{YB}	37, 86, 146
Decimal	2457490
CIE _{Lab}	49.07, -19.32, -17.80
CIE _{LCh}	49, 26.265, 222.652
Yxy	17.6474, 0.2217, 0.2889
Android (android.graphics.Color)	4280647570 (0xFF257F92)
YUV	102.2560, 21.5658, -57.2295
Hunter-Lab	42.0088, -15.9799, -12.7750

Details

The XYZ color **13.5406, 17.6474, 29.8867** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6026, 9.0735, 2.7852**, and the grayscale version is **12.6535, 13.3125, 14.4973**.

A 20% lighter version of the original color is **31.8922, 39.4653, 60.5802**, and **4.7899, 6.2750, 11.7852** is the 20% darker color. If you saturate the color by 10%, you get **12.7933, 16.7807, 29.7591**, and if you desaturate by 10%, it is **14.5069, 18.6400, 30.0277**.

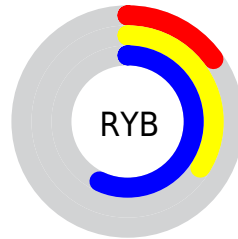
Distribution



Red (15%)

Green (50%)

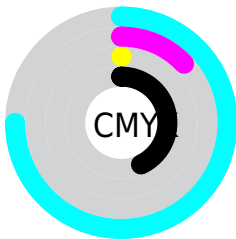
Blue (57%)



Red (15%)

Yellow (34%)

Blue (57%)

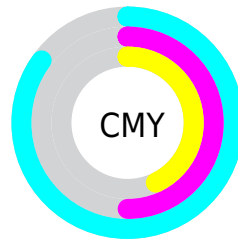


Cyan (75%)

Magenta (13%)

Yellow (0%)

Black (43%)



Cyan (85%)

Magenta (50%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5406, 17.6474, 29.8867 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 13.5406, 17.6474, 29.8867 by changing the saturation by 10% instead.

■ 13.5406, 17.6474,
29.8867

■ 13.5406, 17.6474,
29.8867

207.9222,
238.8760, 315.5668

■ 7.8814, 10.6971,
19.5013

■ 31.8648, 39.4356,
60.5418

■ 4.0703, 5.8636,
11.8526

■ 45.2604, 55.0423,
81.6486

■ 1.7420, 2.7623,
6.5221

■ 61.9656, 74.3033,
107.1663

■ 0.4823, 1.0089,
3.0912

■ 82.3457, 97.6029,
137.5134

■ 0.0000, 0.0000,
1.1414

■ 106.7661,
125.3256, 173.1085

■ 0.0000, 0.0000,
0.0000

■ 135.5920,

157.8558, 214.3701

169.1889,
195.5778, 261.7167

■ 13.5406, 17.6474,
29.8867

■ 13.5406, 17.6474,
29.8867

■ 12.7933, 16.7807,
29.7591

■ 14.5069, 18.6400,
30.0277

■ 12.2348, 16.0232,
29.6424

■ 15.7128, 19.7682,
30.1819

■ 11.9714, 15.6413,
29.5825

■ 17.1785, 21.0429,
30.3507

■ 18.9215, 22.4731,
30.5349

■ 20.9578, 24.0671,
30.7352

■ 23.3020, 25.8327,
30.9525

■ 25.9678, 27.7769,
31.1872

■ 28.9681, 29.9065,
31.4402

■ 32.3150, 32.2277,
31.7118

Harmonies

Analogous

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



12.5826, 17.6474, 22.3253



13.5406, 17.6474, 29.8867



15.4071, 17.6474, 35.1908

Triad

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



13.5406, 17.6474, 29.8867



21.6856, 17.6474, 23.5267



15.7622, 17.6474, 8.8256

Complementary

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



13.5406, 17.6474, 29.8867



13.6026, 9.0735, 2.7852

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.



18.2181, 17.6474, 8.9971



13.5406, 17.6474, 29.8867



21.8044, 17.6474, 16.4079

Square

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



13.5406, 17.6474, 29.8867



20.1732, 17.6474, 30.9487



20.4835, 17.6474, 11.4445



13.7787, 17.6474, 10.8999

Rectangle

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



13.5406, 17.6474, 29.8867



16.9923, 17.6474, 36.0958



20.4835, 17.6474, 11.4445



16.5562, 17.6474, 8.6404

Sweetspot

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



13.5412, 17.6480, 29.8871



37.8371, 43.1180, 54.3019



11.7359, 21.2289, 7.1151



8.2113, 9.4346, 12.0605



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.5412, 17.6480, 29.8871



21.8336, 28.6279, 52.3485



8.3563, 7.2784, 28.1589



5.8790, 6.3920, 7.3937



10.5490, 13.7928, 26.0373



0.1473, 0.2052, 0.3247

Inverse Universe

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



16.3468, 8.9669, 20.9486



27.4090, 13.7484, 34.0542



17.7285, 17.3253, 4.1605



5.9924, 5.8920, 7.0660



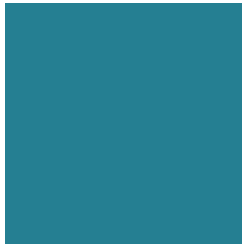
13.4517, 6.5857, 16.3917



0.1738, 0.0843, 0.2490

Previews

White Background



This preview shows how the XYZ color 13.5406, 17.6474, 29.8867 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 13.5406, 17.6474, 29.8867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

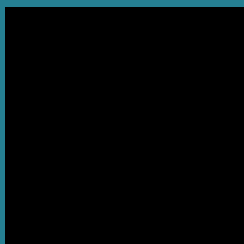
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

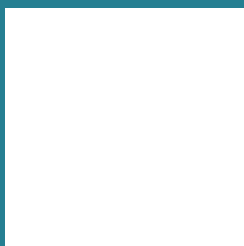
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5406, 17.6474, 29.8867

Background



This preview shows how black text looks on a background with the XYZ color 13.5406, 17.6474, 29.8867.

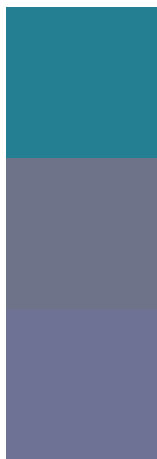


This preview shows how white text looks on a background with the XYZ color 13.5406, 17.6474,

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

13.5406, 17.6474, 29.8867

Protanopia

17.2737, 17.4760, 26.5075

Deuteranopia

17.8725, 17.5196, 30.8734



Tritanopia

12.9444, 17.5937, 27.1398

Trichromacy



Original Color

13.5406, 17.6474, 29.8867

Protanomaly

15.0607, 17.0016, 27.6871

Deuteranomaly

15.5094, 17.1708, 30.5138

Tritanomaly

13.2289, 17.7147, 28.3132

Monochromacy



Original Color

13.5406, 17.6474, 29.8867

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0963, 14.2966, 19.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5406, 17.6474, 29.8867 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(37, 127, 146)` looks like.

```
.text, #text, p{  
    color:rgb(37, 127, 146)  
}
```

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(37, 127, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 127, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.5406, 17.6474, 29.8867 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(37, 127, 146) }
```


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

```
.border{ border-color:rgb(37, 127, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 127, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 127, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 127, 146);  
box-shadow:4px 4px 4px 4px rgb(37, 127,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5406, 17.6474, 29.8867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 127, 146) }
```

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

```
.background{ background-color: rgb(37, 127,  
146) }
```

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