

Converting Colors

XYZ(14.7715, 17.7051, 36.9676)

Have a look what the booklet for
XYZ(14.7715, 17.7051, 36.9676)
contains.

XYZ(14.7697, 17.7473, 36.8295)	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(14.7697, 17.7473,
36.8295)**

Conversions

Conversions Part 1

Format	Color
Hex	297DA2
RGB	41, 125, 162
RGB Percent	16%, 49%, 64%
CMY	0.8392, 0.5098, 0.3647
CMYK	0.75, 0.23, 0.00, 0.36
HSL	198°, 60%, 40%
HSV	198°, 75%, 64%
XYZ	14.7697, 17.7473, 36.8295
YIQ	104.1020, -61.9410, -6.3010

Conversions

Conversions Part 2

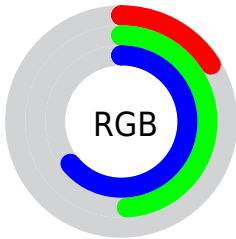
Format	Color
RYB	41, 91, 162
Decimal	2719138
CIELab	49.19, -12.17, -26.96
CIELCh	49, 29.578, 245.699
Yxy	17.7473, 0.2130, 0.2559
Android (android.graphics.Color)	4280909218 (0xFF297DA2)
YUV	104.1020, 28.5437, -55.3405
Hunter-Lab	42.1275, -11.1420, -22.3443

Details

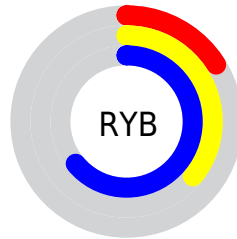
The XYZ color **14.7697, 17.7473, 36.8295** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.0259, 13.2917, 3.7142**, and the grayscale version is **13.1242, 13.8077, 15.0366**.

A 20% lighter version of the original color is **34.1537, 39.7936, 71.5265**, and **5.3989, 6.2947, 15.6823** is the 20% darker color. If you saturate the color by 10%, you get **13.6401, 16.2573, 36.6018**, and if you desaturate by 10%, it is **16.1977, 19.4382, 37.0810**.

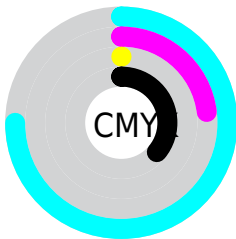
Distribution



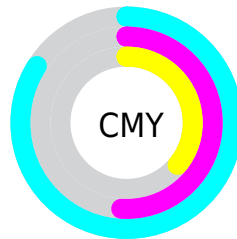
- Red (16%)
- Green (49%)
- Blue (64%)



- Red (16%)
- Yellow (36%)
- Blue (64%)



- Cyan (75%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7697, 17.7473, 36.8295 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 14.7697, 17.7473, 36.8295 by changing the saturation by 10% instead.

■ 14.7697, 17.7473,
36.8295

■ 14.7697, 17.7473,
36.8295

■ 215.3841,
239.4428, 347.7182

■ 8.7432, 10.7687,
24.7808

■ 34.0236, 39.6063,
71.4939

■ 4.6298, 5.9115,
15.6963

■ 47.9818, 55.2554,
94.9466

■ 2.0642, 2.7914,
9.1575

■ 65.3145, 74.5636,
123.0377

■ 0.6697, 1.0238,
4.7458

■ 86.3871, 97.9151,
156.1857

■ 0.0000, 0.0000,
2.0428

■ 111.5650,
125.6944, 194.8093

■ 0.0000, 0.0000,
0.5814

■ 141.2136,

■ 0.0000, 0.0000,

158.2858, 239.3268

0.0000

175.6982,
196.0739, 290.1570

■ 14.7697, 17.7473,
36.8295

■ 14.7697, 17.7473,
36.8295

■ 13.6401, 16.2573,
36.6018

■ 16.1977, 19.4382,
37.0810

■ 12.7708, 14.9471,
36.3947

■ 17.9518, 21.3439,
37.3564

■ 12.3668, 14.2989,
36.2909

■ 20.0584, 23.4791,
37.6575

■ 22.5405, 25.8563,
37.9855

■ 25.4191, 28.4868,
38.3415

■ 28.7134, 31.3813,
38.7266

■ 32.4417, 34.5497,
39.1416

■ 36.6206, 38.0012,
39.5876

■ 41.2664, 41.7446,
40.0653

Harmonies

Analogous

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



12.9016, 17.7473, 29.6631



14.7697, 17.7473, 36.8295



17.4028, 17.7473, 38.8265

Triad

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



14.7697, 17.7473, 36.8295



22.7435, 17.7473, 17.8480



13.9469, 17.7473, 9.3937

Complementary

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



14.7697, 17.7473, 36.8295



18.0259, 13.2917, 3.7142

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.



16.3448, 17.7473, 7.7715



14.7697, 17.7473, 36.8295



21.5746, 17.7473, 11.7186

Square

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



14.7697, 17.7473, 36.8295



22.2039, 17.7473, 26.3065



19.1568, 17.7473, 8.4878



12.4642, 17.7473, 13.7010

Rectangle

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



14.7697, 17.7473, 36.8295



19.2853, 17.7473, 36.5881



19.1568, 17.7473, 8.4878



14.6621, 17.7473, 8.5791

Sweetspot

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



14.7703, 17.7479, 36.8299



47.4344, 52.8639, 69.7598



15.1857, 26.8527, 11.4609



10.3273, 11.5820, 15.6288



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.



14.7703, 17.7479, 36.8299



23.6091, 27.8105, 66.1798



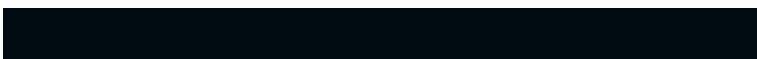
9.3388, 6.8848, 35.0194



7.0925, 7.6439, 9.0047



9.7820, 11.3435, 28.6037



0.2442, 0.3157, 0.6139

Inverse Universe

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



19.3955, 10.7487, 20.4550



33.1046, 16.8006, 31.8083



24.3610, 25.9620, 5.8259



7.2716, 7.1651, 8.4169



14.0830, 6.9893, 12.8935



0.3154, 0.1547, 0.3737

Previews

White Background



This preview shows how the XYZ color 14.7697, 17.7473, 36.8295 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 14.7697, 17.7473, 36.8295 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 14.7697, 17.7473, 36.8295

Background



This preview shows how black text looks on a background with the XYZ color 14.7697, 17.7473, 36.8295.

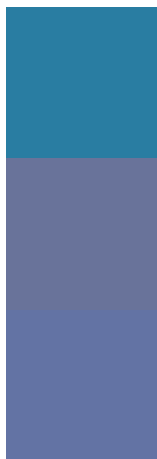


This preview shows how white text looks on a background with the XYZ color 14.7697, 17.7473,

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

14.7697, 17.7473, 36.8295

Protanopia

17.7892, 17.5978, 33.0310

Deuteranopia

17.9772, 17.5945, 37.5705



Tritanopia

12.8333, 17.7226, 27.5554

Trichromacy



Original Color

14.7697, 17.7473, 36.8295

Protanomaly

16.1623, 17.4218, 34.4092

Deuteranomaly

16.3496, 17.4577, 37.1583

Tritanomaly

13.4905, 17.7961, 30.7409

Monochromacy



Original Color

14.7697, 17.7473, 36.8295

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8892, 14.8183, 21.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7697, 17.7473, 36.8295 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(41, 125, 162)` looks like.

```
.text, #text, p{  
    color:rgb(41, 125, 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(41, 125, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 125, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.7697, 17.7473, 36.8295 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(41, 125, 162) }
```


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

```
.border{ border-color:rgb(41, 125, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 125, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 125, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 125, 162);  
box-shadow:4px 4px 4px 4px rgb(41, 125,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7697, 17.7473, 36.8295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 125, 162) }
```

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

```
.background{ background-color: rgb(41, 125,  
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](#).

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