

Converting Colors

XYZ(14.8272, 17.8193, 36.7441)

Have a look what the booklet for
XYZ(14.8272, 17.8193, 36.7441)
contains.

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Color

**XYZ(14.8100, 17.7681,
36.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7DA2
RGB	42, 125, 162
RGB Percent	16%, 49%, 64%
CMY	0.8353, 0.5098, 0.3647
CMYK	0.74, 0.23, 0.00, 0.36
HSL	199°, 59%, 40%
HSV	199°, 74%, 64%
XYZ	14.8100, 17.7681, 36.8314
YIQ	104.4010, -61.3450, -6.0890

Conversions

Conversions Part 2

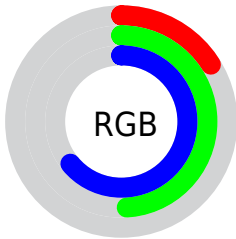
Format	Color
R_{YB}	42, 91, 162
Decimal	2784674
CIE _{Lab}	49.21, -12.04, -26.92
CIE _{LCh}	49, 29.485, 245.904
Yxy	17.7681, 0.2134, 0.2560
Android (android.graphics.Color)	4280974754 (0xFF2A7DA2)
YUV	104.4010, 28.3963, -54.7257
Hunter-Lab	42.1522, -11.0512, -22.2993

Details

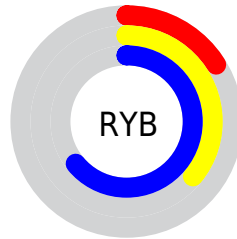
The XYZ color **14.8100, 17.7681, 36.8314** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.1149, 13.4415, 3.8308**, and the grayscale version is **13.2043, 13.8920, 15.1284**.

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 **13.6600, 16.2603, 36.6013**, and if you desaturate by 10%, it is **16.2609, 19.4789, 37.0855**.

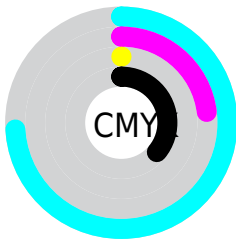
Distribution



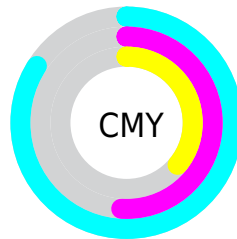
- Red (16%)
- Green (49%)
- Blue (64%)



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



- Cyan (74%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8100, 17.7681, 36.8314 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 14.8100, 17.7681, 36.8314 by changing the saturation by 10% instead.

■ 14.8100, 17.7681,
36.8314

■ 14.8100, 17.7681,
36.8314

■ 215.6246,
239.5607, 347.7267

■ 8.7716, 10.7836,
24.7822

■ 34.0939, 39.6418,
71.4968

■ 4.6484, 5.9215,
15.6973

■ 48.0701, 55.2998,
94.9502

■ 2.0751, 2.7974,
9.1582

■ 65.4230, 74.6177,
123.0419

■ 0.6756, 1.0269,
4.7463

■ 86.5179, 97.9800,
156.1907

■ 0.0000, 0.0000,
2.0431

■ 111.7201,
125.7711, 194.8151

■ 0.0000, 0.0000,
0.5816

■ 141.3951,

■ 0.0000, 0.0000,

158.3753, 239.3335

0.0000

175.9081,
196.1770, 290.1645

■ 14.8100, 17.7681,
36.8314

■ 14.8100, 17.7681,
36.8314

■ 13.6600, 16.2603,
36.6013

■ 16.2609, 19.4789,
37.0855

■ 12.7739, 14.9347,
36.3922

■ 18.0400, 21.4064,
37.3638

■ 12.3213, 14.2079,
36.2757

■ 20.1736, 23.5653,
37.6680

■ 22.6846, 25.9679,
37.9994

■ 25.5938, 28.6256,
38.3591

■ 28.9206, 31.5491,
38.7480

■ 32.6828, 34.7480,
39.1672

■ 36.8973, 38.2318,
39.6175

■ 41.5802, 42.0093,
40.0998

Harmonies

Analogous

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



12.9388, 17.7681, 29.7148



14.8100, 17.7681, 36.8314



17.4406, 17.7681, 38.7778

Triad

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



14.8100, 17.7681, 36.8314



22.7449, 17.7681, 17.8227



13.9593, 17.7681, 9.4516

Complementary

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



14.8100, 17.7681, 36.8314



18.1149, 13.4415, 3.8308

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.



16.3472, 17.7681, 7.8129



14.8100, 17.7681, 36.8314



21.5687, 17.7681, 11.7232

Square

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



14.8100, 17.7681, 36.8314



22.2187, 17.7681, 26.2491



19.1519, 17.7681, 8.5133



12.4865, 17.7681, 13.7743

Rectangle

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



14.8100, 17.7681, 36.8314



19.3177, 17.7681, 36.5204



19.1519, 17.7681, 8.5133



14.6711, 17.7681, 8.6313

Sweetspot

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



14.8106, 17.7687, 36.8318



47.4075, 52.8101, 69.7508



15.2509, 26.8834, 11.5939



10.3207, 11.5687, 15.6265



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.



14.8106, 17.7687, 36.8318



23.6839, 27.8903, 66.1912



9.4253, 6.9981, 35.0367



7.0910, 7.6409, 9.0042



9.7463, 11.2720, 28.5918



0.2437, 0.3146, 0.6137

Inverse Universe

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



19.4304, 10.8186, 20.4667



33.1594, 16.8879, 31.8957



24.4072, 26.0262, 5.9283



7.2709, 7.1648, 8.4129



14.0650, 6.9820, 12.7986



0.3152, 0.1546, 0.3723

Previews

White Background



This preview shows how the XYZ color 14.8100, 17.7681, 36.8314 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 14.8100, 17.7681, 36.8314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

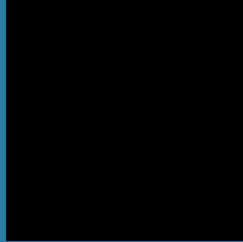
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8100, 17.7681, 36.8314

Background



This preview shows how black text looks on a background with the XYZ color 14.8100, 17.7681, 36.8314.



This preview shows how white text looks on a background with the XYZ color 14.8100, 17.7681,

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

14.8100, 17.7681, 36.8314

Protanopia

17.7892, 17.5978, 33.0310

Deuteranopia

17.9772, 17.5945, 37.5705



Tritanopia

12.8724, 17.7427, 27.5572

Trichromacy



Original Color

14.8100, 17.7681, 36.8314

Protanomaly

16.1623, 17.4218, 34.4092

Deuteranomaly

16.3496, 17.4577, 37.1583

Tritanomaly

13.5434, 17.8233, 30.7434

Monochromacy



Original Color

14.8100, 17.7681, 36.8314

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 14.8100, 17.7681, 36.8314 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(42, 125, 162)` looks like.

```
.text, #text, p{  
    color:rgb(42, 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(42, 125, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 125, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.8100, 17.7681, 36.8314 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(42, 125, 162) }
```


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

```
.border{ border-color:rgb(42, 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(42, 125, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 125, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 125, 162);  
box-shadow:4px 4px 4px 4px rgb(42, 125,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8100, 17.7681, 36.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 125, 162) }
```

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

```
.background{ background-color: rgb(42, 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](#).

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