

Converting Colors

XYZ(14.6950, 14.3495, 49.9691)

Have a look what the booklet for
XYZ(14.6950, 14.3495, 49.9691)
contains.

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Color

**XYZ(14.7116, 14.3280,
50.1343)**

Conversions

Conversions Part 1

Format	Color
Hex	136BBD
RGB	19, 107, 189
RGB Percent	7%, 42%, 74%
CMY	0.9254, 0.5804, 0.2588
CMYK	0.90, 0.43, 0.00, 0.26
HSL	209°, 82%, 41%
HSV	209°, 90%, 74%
XYZ	14.7116, 14.3280, 50.1343
YIQ	90.0360, -78.7700, 6.8460

Conversions

Conversions Part 2

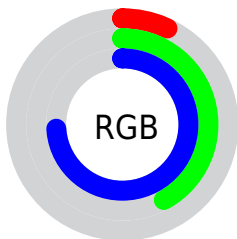
Format	Color
R_{YB}	19, 77, 189
Decimal	1272765
CIE _{Lab}	44.70, 6.82, -49.78
CIE _{LCh}	45, 50.249, 277.803
Yxy	14.3280, 0.1858, 0.1810
Android (android.graphics.Color)	4279462845 (0xFF136BBD)
YUV	90.0360, 48.7893, -62.2986
Hunter-Lab	37.8523, 3.1338, -52.0312

Details

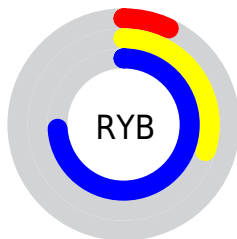
The XYZ color **14.7116, 14.3280, 50.1343** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **25.7604, 20.1784, 3.1544**, and the grayscale version is **9.6350, 10.1367, 11.0389**.

A 20% lighter version of the original color is **34.0070, 33.7602, 91.9128**, and **6.0419, 5.0868, 23.5851** is the 20% darker color. If you saturate the color by 10%, you get **13.5437, 12.3884, 49.8218**, and if you desaturate by 10%, it is **16.2411, 16.6030, 50.4931**.

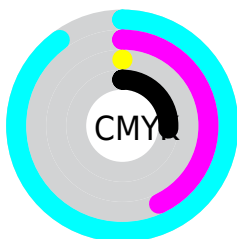
Distribution



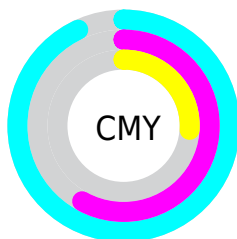
- Red (7%)
- Green (42%)
- Blue (74%)



- Red (7%)
- Yellow (30%)
- Blue (74%)



- Cyan (90%)
- Magenta (43%)
- Yellow (0%)
- Black (26%)



- Cyan (93%)
- Magenta (58%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7116, 14.3280, 50.1343 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 14.7116, 14.3280, 50.1343 by changing the saturation by 10% instead.

■ 14.7116, 14.3280,
50.1343

■ 14.7116, 14.3280,
50.1343

215.0371,
219.2619, 403.9410

■ 8.7022, 8.3491,
35.1482

■ 33.9223, 33.6699,
91.7722

■ 4.6030, 4.3192,
23.4926

■ 47.8543, 47.8017,
119.2610

■ 2.0486, 1.8537,
14.7489

■ 65.1579, 65.4200,
151.7546

■ 0.6610, 0.5203,
8.4987

■ 86.1984, 86.9091,
189.6713

■ 0.0000, 0.0000,
4.3234

■ 111.3412,
112.6535, 233.4297

■ 0.0000, 0.0000,
1.8044

■ 140.9517,

■ 0.0000, 0.0000,

143.0375, 283.4485

0.4308

175.3952,
178.4455, 340.1461

■ 0.0000, 0.0000,
0.0000

■ 14.7116, 14.3280,
50.1343

■ 14.7116, 14.3280,
50.1343

■ 13.5437, 12.3884,
49.8218

■ 16.2411, 16.6030,
50.4931

■ 13.5364, 12.3763,
49.8199

■ 18.2264, 19.2661,
50.9025

■ 20.7183, 22.3478,
51.3660

■ 23.7595, 25.8741,
51.8864

■ 27.3876, 29.8684,
52.4661

■ 31.6369, 34.3520,
53.1076

■ 36.5386, 39.3448,
53.8130

■ 42.1218, 44.8652,
54.5842

■ 48.4139, 50.9308,
55.4234

Harmonies

Analogous

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



10.8639, 14.3280, 47.0271



14.7116, 14.3280, 50.1343



19.0161, 14.3280, 40.9439

Triad

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



14.7116, 14.3280, 50.1343



20.8064, 14.3280, 5.4829



7.5687, 14.3280, 8.5579

Complementary

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



14.7116, 14.3280, 50.1343



25.7604, 20.1784, 3.1544

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.



9.3528, 14.3280, 3.7294



14.7116, 14.3280, 50.1343



16.8030, 14.3280, 2.6734

Square

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



14.7116, 14.3280, 50.1343



22.9651, 14.3280, 12.7445



12.5806, 14.3280, 2.2485



7.2299, 14.3280, 18.8547

Rectangle

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



14.7116, 14.3280, 50.1343



21.3957, 14.3280, 30.8990



12.5806, 14.3280, 2.2485



7.9992, 14.3280, 6.4291

Sweetspot

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



14.7122, 14.3284, 50.1347



58.7455, 63.6739, 95.4203



20.6878, 37.4226, 17.7744



12.0261, 13.0658, 20.4307



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.7122, 14.3284, 50.1347



24.0019, 21.6824, 89.1463



9.7955, 4.4950, 48.4958



9.4139, 10.0201, 12.1101



9.1846, 8.4809, 33.5458



0.4250, 0.4626, 1.3358

Inverse Universe

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



23.8736, 12.3471, 15.0351



41.3978, 20.9011, 21.8296



38.1068, 44.8712, 7.2698



9.7308, 9.6166, 10.9712



15.6367, 7.8858, 8.6465



0.6454, 0.3221, 0.5120

Previews

White Background



This preview shows how the XYZ color 14.7116, 14.3280, 50.1343 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 14.7116, 14.3280, 50.1343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

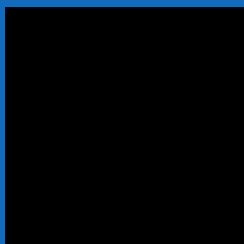
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7116, 14.3280, 50.1343

Background



This preview shows how black text looks on a background with the XYZ color 14.7116, 14.3280, 50.1343.



This preview shows how white text looks on a background with the XYZ color 14.7116, 14.3280,

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

14.7116, 14.3280, 50.1343

Protanopia

15.9911, 14.4322, 47.8418

Deuteranopia

14.6925, 14.3181, 50.1334



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

14.7116, 14.3280, 50.1343

Protanomaly

15.1286, 14.1239, 48.3832

Deuteranomaly

14.6925, 14.3181, 50.1334

Tritanomaly

11.3380, 13.9935, 30.1204

Monochromacy



Original Color

14.7116, 14.3280, 50.1343

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.0631, 10.9621, 21.3242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7116, 14.3280, 50.1343 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(19, 107, 189)` looks like.

```
.text, #text, p{  
    color:rgb(19, 107, 189)  
}
```

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(19, 107, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 107, 189) }
```

Border

The CSS property to change the border of an element to XYZ 14.7116, 14.3280, 50.1343 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(19, 107, 189) }
```


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

```
.border{ border-color:rgb(19, 107, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 107, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 107, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 107, 189);  
box-shadow:4px 4px 4px 4px rgb(19, 107,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7116, 14.3280, 50.1343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 107, 189) }
```

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

```
.background{ background-color: rgb(19, 107,  
189) }
```

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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