

Converting Colors

XYZ(14.8280, 9.5379, 63.9724)

Have a look what the booklet for
XYZ(14.8280, 9.5379, 63.9724)
contains.

XYZ(14.8276, 9.5077, 64.0045)	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(14.8276, 9.5077,
64.0045)**

Conversions

Conversions Part 1

Format	Color
Hex	2146D5
RGB	33, 70, 213
RGB Percent	13%, 27%, 84%
CMY	0.8705, 0.7255, 0.1647
CMYK	0.84, 0.67, 0.00, 0.16
HSL	228°, 73%, 48%
HSV	228°, 84%, 84%
XYZ	14.8276, 9.5077, 64.0045
YIQ	75.2390, -67.9550, 36.6290

Conversions

Conversions Part 2

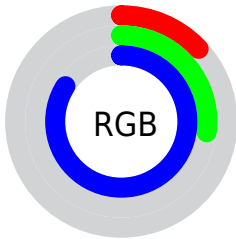
Format	Color
R_{YB}	33, 64, 213
Decimal	2180821
CIE _{Lab}	36.94, 40.96, -76.26
CIE _{LCh}	37, 86.558, 298.240
Yxy	9.5077, 0.1678, 0.1076
Android (android.graphics.Color)	4280370901 (0xFF2146D5)
YUV	75.2390, 67.9162, -37.0436
Hunter-Lab	30.8346, 31.8759, -101.4864

Details

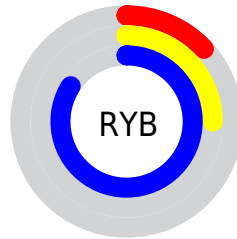
The XYZ color **14.8276, 9.5077, 64.0045** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **43.2453, 45.3158, 7.9079**, and the grayscale version is **6.6221, 6.9670, 7.5870**.

A 20% lighter version of the original color is **31.3385, 23.6876, 97.5282**, and **6.4777, 3.2182, 32.1780** is the 20% darker color. If you saturate the color by 10%, you get **13.4345, 7.4333, 63.6778**, and if you desaturate by 10%, it is **16.9508, 12.4010, 64.4514**.

Distribution



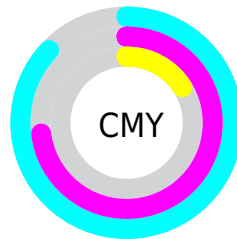
- Red (13%)
- Green (27%)
- Blue (84%)



- Red (13%)
- Yellow (25%)
- Blue (84%)



- Cyan (84%)
- Magenta (67%)
- Yellow (0%)
- Black (16%)



- Cyan (87%)
- Magenta (73%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8276, 9.5077, 64.0045 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 14.8276, 9.5077, 64.0045 by changing the saturation by 10% instead.

■ 14.8276, 9.5077,
64.0045

■ 14.8276, 9.5077,
64.0045

215.7295,
187.1214, 457.4138

■ 8.7840, 5.0738,
46.2081

■ 34.1246, 24.8653,
112.2169

■ 4.6565, 2.2906,
32.0602

■ 48.1087, 36.5578,
143.4701

■ 2.0799, 0.7687,
21.1423

■ 65.4704, 51.4387,
180.0459

■ 0.6782, 0.0000,
13.0358

■ 86.5750, 69.8922,
222.3629

■ 0.0000, 0.0000,
7.3222

■ 111.7878, 92.3029,
270.8397

■ 0.0000, 0.0000,
3.5829

141.4743,

■ 0.0000, 0.0000,

119.0550, 325.8947

1.3994

175.9997,
150.5331, 387.9466

■ 0.0000, 0.0000,
0.1413

■ 0.0000, 0.0000,
0.0000

■ 14.8276, 9.5077,
64.0045

■ 14.8276, 9.5077,
64.0045

■ 13.4345, 7.4333,
63.6778

■ 16.9508, 12.4010,
64.4514

■ 12.9021, 6.5878,
63.5427

■ 19.8955, 16.1947,
65.0284

■ 23.7410, 20.9600,
65.7455

■ 28.5561, 26.7603,
66.6113

■ 34.4027, 33.6536,
67.6337

■ 41.3375, 41.6933,
68.8200

■ 49.4130, 50.9294,
70.1771

■ 58.6782, 61.4088,
71.7115

■ 69.1792, 73.1758,
73.4293

Harmonies

Analogous

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



8.7245, 9.5077, 76.5001



14.8276, 9.5077, 64.0045



20.9025, 9.5077, 34.8777

Triad

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



14.8276, 9.5077, 64.0045



15.6019, 9.5077, 0.0000



2.1629, 9.5077, 9.4736

Complementary

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



14.8276, 9.5077, 64.0045



43.2453, 45.3158, 7.9079

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.



2.8103, 9.5077, 1.3009



14.8276, 9.5077, 64.0045



9.3564, 9.5077, 0.0000

Square

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



14.8276, 9.5077, 64.0045



21.4599, 9.5077, 1.7349



4.9923, 9.5077, 0.0000



2.6677, 9.5077, 31.4732

Rectangle

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



14.8276, 9.5077, 64.0045



23.3046, 9.5077, 17.5895



4.9923, 9.5077, 0.0000



2.2453, 9.5077, 5.4352

Sweetspot

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



14.8282, 9.5079, 64.0048



61.2744, 61.6800, 103.2837



32.0627, 50.9686, 48.1949



12.2920, 12.2511, 21.9668



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



14.8282, 9.5079, 64.0048



19.2955, 9.7110, 95.4652



16.2122, 7.7785, 63.5980



11.9473, 12.4179, 15.7047



7.9404, 4.1426, 38.8343



0.5392, 0.3703, 2.3624

Inverse Universe

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



29.0906, 15.6772, 7.2868



41.8687, 21.5115, 5.2406



38.9707, 55.3807, 10.0759



12.5266, 12.4621, 13.4472



17.0668, 8.7630, 2.3900



1.0598, 0.5407, 0.3043

Previews

White Background



This preview shows how the XYZ color 14.8276, 9.5077, 64.0045 looks on a white background.

Color Contrast Check

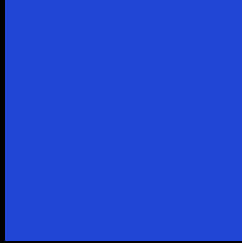
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.8276, 9.5077, 64.0045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

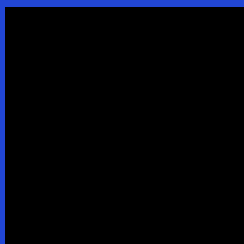
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8276, 9.5077, 64.0045

Background



This preview shows how black text looks on a background with the XYZ color 14.8276, 9.5077, 64.0045.



This preview shows how white text looks on a background with the XYZ color 14.8276, 9.5077,

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

14.8276, 9.5077, 64.0045

Protanopia

10.9297, 9.3211, 42.2974

Deuteranopia

9.0774, 9.3468, 30.1798



Tritanopia

6.5318, 9.3053, 13.7638

Trichromacy



Original Color

14.8276, 9.5077, 64.0045

Protanomaly

12.0613, 9.2011, 49.2844

Deuteranomaly

10.7117, 9.1299, 40.7328

Tritanomaly

8.4423, 8.8475, 26.8540

Monochromacy



Original Color

14.8276, 9.5077, 64.0045

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9477, 7.2064, 20.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8276, 9.5077, 64.0045 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(33, 70, 213)` looks like.

```
.text, #text, p{  
    color:rgb(33, 70, 213)  
}
```

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(33, 70, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 70, 213) }
```

Border

The CSS property to change the border of an element to XYZ 14.8276, 9.5077, 64.0045 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(33, 70, 213) }
```


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

```
.border{ border-color:rgb(33, 70, 213) }
```

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

Here you see how a box with a 4 pixel rgb(33, 70, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 70, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 70, 213);  
box-shadow:4px 4px 4px 4px rgb(33, 70,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8276, 9.5077, 64.0045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 70, 213) }
```

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

```
.background{ background-color: rgb(33, 70,  
213) }
```

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