

Converting Colors

XYZ(11.8171, 11.6987, 51.9426)

Have a look what the booklet for
XYZ(11.8171, 11.6987, 51.9426)
contains.

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Color

**XYZ(14.1828, 12.9646,
52.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	0064C1
RGB	0, 100, 193
RGB Percent	0%, 39%, 76%
CMY	0.9998, 0.6078, 0.2431
CMYK	1.00, 0.48, 0.00, 0.24
HSL	209°, 100%, 38%
HSV	209°, 100%, 76%
XYZ	14.1828, 12.9646, 52.2070
YIQ	80.7020, -89.4530, 7.7230

Conversions

Conversions Part 2

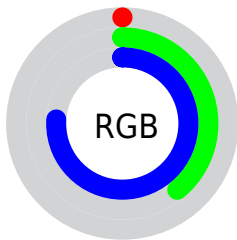
Format	Color
RYB	0, 66, 193
Decimal	25793
CIELab	42.71, 12.14, -55.31
CIELCh	43, 56.631, 282.382
Yxy	12.9646, 0.1787, 0.1634
Android (android.graphics.Color)	4278215873 (0xFF0064C1)
YUV	80.7020, 55.3629, -70.7757
Hunter-Lab	36.0064, 7.2994, -60.7623

Details

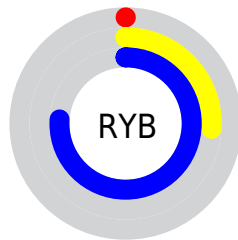
The XYZ color **14.1828, 12.9646, 52.2070** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.9105, 19.1732, 2.3363**, and the grayscale version is **7.6721, 8.0716, 8.7900**.

A 20% lighter version of the original color is **32.9855, 31.2016, 94.7265**, and **6.0264, 4.5965, 24.9957** is the 20% darker color. If you saturate the color by 10%, you get **14.1811, 12.9611, 52.2067**, and if you desaturate by 10%, it is **15.4019, 14.9941, 52.5348**.

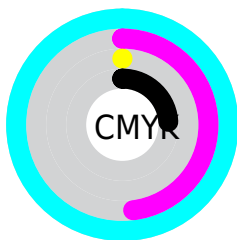
Distribution



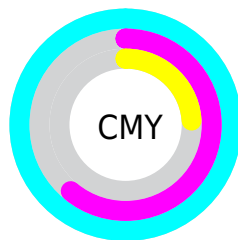
- Red (0%)
- Green (39%)
- Blue (76%)



- Red (0%)
- Yellow (26%)
- Blue (76%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (61%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1828, 12.9646, 52.2070 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 14.1828, 12.9646, 52.2070 by changing the saturation by 10% instead.

■ 14.1828, 12.9646,
52.2070

■ 14.1828, 12.9646,
52.2070

211.8530,
210.6907, 412.2149

■ 8.3305, 7.4042,
36.7867

■ 32.9966, 31.2402,
94.8661

■ 4.3607, 3.7161,
24.7479

■ 46.6888, 44.7241,
122.9421

■ 1.9082, 1.5161,
15.6720

■ 63.7249, 61.6180,
156.0736

■ 0.5816, 0.3000,
9.1405

■ 84.4704, 82.3063,
194.6794

■ 0.0000, 0.0000,
4.7349

■ 109.2906,
107.1732, 239.1778

■ 0.0000, 0.0000,
2.0366

■ 138.5509,

■ 0.0000, 0.0000,

136.6034, 289.9876

0.5776

172.6166,
170.9811, 347.5271

■ 0.0000, 0.0000,
0.0000

■ 14.1828, 12.9646,
52.2070

■ 14.1828, 12.9646,
52.2070

■ 14.1811, 12.9611,
52.2067

■ 15.4019, 14.9941,
52.5348

■ 16.9986, 17.3742,
52.9101

■ 19.0740, 20.1619,
53.3387

■ 21.6809, 23.3886,
53.8242

■ 24.8642, 27.0818,
54.3692

■ 28.6638, 31.2661,
54.9766

■ 33.1155, 35.9641,
55.6488

■ 38.2524, 41.1965,
56.3880

■ 44.1052, 46.9828,
57.1964

Harmonies

Analogous

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



9.9843, 12.9646, 50.8785



14.1828, 12.9646, 52.2070



18.7823, 12.9646, 39.8461

Triad

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



14.1828, 12.9646, 52.2070



19.4992, 12.9646, 3.4115



5.9999, 12.9646, 8.0908

Complementary

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



14.1828, 12.9646, 52.2070



25.9105, 19.1732, 2.3363

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.



7.5450, 12.9646, 2.8514



14.1828, 12.9646, 52.2070



14.9999, 12.9646, 1.4357

Square

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



14.1828, 12.9646, 52.2070



22.2977, 12.9646, 9.6211



10.6324, 12.9646, 1.3170



5.8796, 12.9646, 19.8302

Rectangle

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



14.1828, 12.9646, 52.2070



21.2021, 12.9646, 28.1946



10.6324, 12.9646, 1.3170



6.3497, 12.9646, 5.7352

Sweetspot

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



14.1834, 12.9650, 52.2074



58.8908, 63.9771, 99.6052



20.9198, 38.8801, 16.0945



11.8812, 12.9378, 21.2563



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.1834, 12.9650, 52.2074



25.1503, 22.7172, 93.4196



9.6964, 3.9910, 50.7117



9.9502, 10.5917, 12.8048



9.5125, 8.7815, 34.7503



0.4798, 0.5169, 1.5244

Inverse Universe

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



24.2932, 12.2585, 13.1424



43.3815, 21.9027, 22.8699



39.6716, 46.6955, 6.9233



10.2862, 10.1631, 11.5975



16.1974, 8.1687, 8.9518



0.7345, 0.3668, 0.5695

Previews

White Background



This preview shows how the XYZ color 14.1828, 12.9646, 52.2070 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 14.1828, 12.9646, 52.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

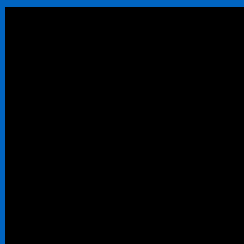
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1828, 12.9646, 52.2070

Background



This preview shows how black text looks on a background with the XYZ color 14.1828, 12.9646, 52.2070.



This preview shows how white text looks on a background with the XYZ color 14.1828, 12.9646,

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

14.1828, 12.9646, 52.2070

Protanopia

14.8844, 12.9452, 50.4294

Deuteranopia

13.0885, 12.9958, 44.9986

Trichromacy



Original Color

14.1828, 12.9646, 52.2070

Protanomaly

14.3673, 12.8040, 51.0044

Deuteranomaly

13.5083, 13.0055, 47.6973

Monochromacy



Original Color

14.1828, 12.9646, 52.2070

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.4187, 9.1147, 19.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1828, 12.9646, 52.2070 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(0, 100, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 193)  
}
```

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(0, 100, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 193) }
```

Border

The CSS property to change the border of an element to XYZ 14.1828, 12.9646, 52.2070 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(0, 100, 193) }
```

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

```
.border{ border-color:rgb(0, 100, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
193) }
```


Background

The CSS property to change the background color of an element to XYZ 14.1828, 12.9646, 52.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 193) }
```

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

```
.background{ background-color: rgb(0, 100,  
193) }
```

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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