

Converting Colors

XYZ(10.3242, 10.5806, 55.8681)

Have a look what the booklet for
XYZ(10.3242, 10.5806, 55.8681)
contains.

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Color

**XYZ(14.7930, 12.9055,
56.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	0062C8
RGB	0, 98, 200
RGB Percent	0%, 38%, 78%
CMY	0.9998, 0.6157, 0.2157
CMYK	1.00, 0.51, 0.00, 0.22
HSL	211°, 100%, 39%
HSV	211°, 100%, 78%
XYZ	14.7930, 12.9055, 56.3549
YIQ	80.3260, -91.1500, 10.9460

Conversions

Conversions Part 2

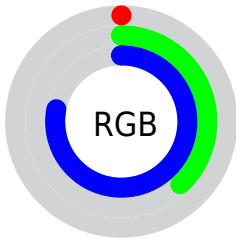
Format	Color
R_{YB}	0, 66, 200
Decimal	25288
CIE _{Lab}	42.62, 16.28, -59.51
CIE _{LCh}	43, 61.695, 285.299
Yxy	12.9055, 0.1760, 0.1535
Android (android.graphics.Color)	4278215368 (0xFF0062C8)
YUV	80.3260, 58.9993, -70.4459
Hunter-Lab	35.9242, 10.6359, -67.8622

Details

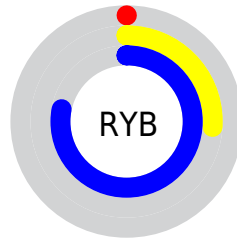
The XYZ color **14.7930, 12.9055, 56.3549** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.5754, 21.7908, 2.7012**, and the grayscale version is **7.5925, 7.9878, 8.6988**.

A 20% lighter version of the original color is **33.6769, 30.9965, 98.8157**, and **6.3839, 4.5905, 27.3377** is the 20% darker color. If you saturate the color by 10%, you get **14.7910, 12.9014, 56.3546**, and if you desaturate by 10%, it is **16.0987, 15.0872, 56.7075**.

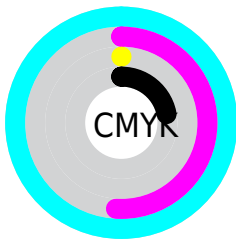
Distribution



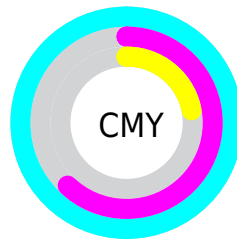
- Red (0%)
- Green (38%)
- Blue (78%)



- Red (0%)
- Yellow (26%)
- Blue (78%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (62%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7930, 12.9055, 56.3549 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 14.7930, 12.9055, 56.3549 by changing the saturation by 10% instead.

■ 14.7930, 12.9055,
56.3549

■ 14.7930, 12.9055,
56.3549

215.5232,
210.3111, 428.4534

■ 8.7596, 7.3635,
40.0816

■ 34.0643, 31.1339,
101.0143

■ 4.6406, 3.6905,
27.2879

■ 48.0329, 44.5891,
130.2374

■ 2.0705, 1.5020,
17.5552

■ 65.3772, 61.4508,
164.6143

■ 0.6731, 0.2901,
10.4650

■ 86.4627, 82.1035,
204.5635

■ 0.0000, 0.0000,
5.5987

■ 111.6547,
106.9314, 250.5034

■ 0.0000, 0.0000,
2.5379

■ 141.3186,

■ 0.0000, 0.0000,

136.3191, 302.8527

0.8601

175.8196,
170.6509, 362.0299

■ 0.0000, 0.0000,
0.0000

■ 14.7930, 12.9055,
56.3549

■ 14.7930, 12.9055,
56.3549

■ 14.7910, 12.9014,
56.3546

■ 16.0987, 15.0872,
56.7075

■ 17.8283, 17.6745,
57.1158

■ 20.0901, 20.7293,
57.5862

■ 22.9423, 24.2875,
58.1227

■ 26.4350, 28.3804,
58.7286

■ 30.6120, 33.0361,
59.4071

■ 35.5134, 38.2803,
60.1610

■ 41.1755, 44.1367,
60.9930

■ 47.6325, 50.6278,
61.9055

Harmonies

Analogous

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



10.1244, 12.9055, 56.5303



14.7930, 12.9055, 56.3549



19.8252, 12.9055, 41.0368

Triad

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



14.7930, 12.9055, 56.3549



19.7341, 12.9055, 2.5496



5.4664, 12.9055, 8.4808

Complementary

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



14.7930, 12.9055, 56.3549



28.5754, 21.7908, 2.7012

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.



6.9241, 12.9055, 2.6109



14.7930, 12.9055, 56.3549



14.6908, 12.9055, 0.9654

Square

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



14.7930, 12.9055, 56.3549



23.1343, 12.9055, 8.2972



10.0450, 12.9055, 0.9771



5.4805, 12.9055, 21.9936

Rectangle

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



14.7930, 12.9055, 56.3549



22.3738, 12.9055, 27.7816



10.0450, 12.9055, 0.9771



5.7802, 12.9055, 5.8083

Sweetspot

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



14.7936, 12.9058, 56.3553



61.0749, 65.8440, 104.0979



22.9562, 42.2296, 19.0033



12.2674, 13.2393, 22.1588



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.



14.7936, 12.9058, 56.3553



25.3737, 21.8675, 97.4912



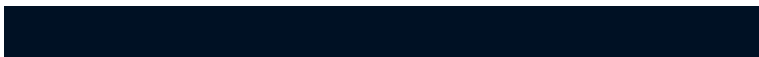
10.4264, 4.1714, 54.8995



10.4785, 11.1310, 13.5137



9.4938, 8.3815, 35.8618



0.5220, 0.5418, 1.7222

Inverse Universe

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



26.0246, 13.1622, 12.7242



44.9367, 22.7387, 21.3965



44.4742, 53.5883, 8.0008



10.8468, 10.7221, 12.1765



16.5914, 8.3861, 8.3240



0.8222, 0.4117, 0.5867

Previews

White Background



This preview shows how the XYZ color 14.7930, 12.9055, 56.3549 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 14.7930, 12.9055, 56.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

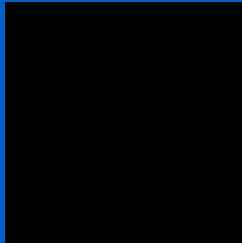
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7930, 12.9055, 56.3549

Background



This preview shows how black text looks on a background with the XYZ color 14.7930, 12.9055, 56.3549.



This preview shows how white text looks on a background with the XYZ color 14.7930, 12.9055,

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

14.7930, 12.9055, 56.3549

Protanopia

15.2766, 13.0302, 55.7428

Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

14.7930, 12.9055, 56.3549

Protanomaly

14.9144, 12.8435, 55.7258

Tritanomaly

10.6030, 12.6535, 29.9005

Monochromacy



Original Color

14.7930, 12.9055, 56.3549

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.4115, 8.9754, 20.3579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7930, 12.9055, 56.3549 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, 98, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 200)  
}
```

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, 98, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 200) }
```

Border

The CSS property to change the border of an element to XYZ 14.7930, 12.9055, 56.3549 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, 98, 200) }
```

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

```
.border{ border-color:rgb(0, 98, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 200)  
}
```


Background

The CSS property to change the background color of an element to XYZ 14.7930, 12.9055, 56.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 200) }
```

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

```
.background{ background-color: rgb(0, 98,  
200) }
```

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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