

Converting Colors

XYZ(18.2302, 19.9849, 56.8686)

Have a look what the booklet for
XYZ(18.2302, 19.9849, 56.8686)
contains.

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Color

**XYZ(18.2914, 20.0888,
56.9463)**

Conversions

Conversions Part 1

Format	Color
Hex	0082C7
RGB	0, 130, 199
RGB Percent	0%, 51%, 78%
CMY	0.9998, 0.4902, 0.2196
CMYK	1.00, 0.35, 0.00, 0.22
HSL	201°, 100%, 39%
HSV	201°, 100%, 78%
XYZ	18.2914, 20.0888, 56.9463
YIQ	98.9960, -99.6290, -6.1010

Conversions

Conversions Part 2

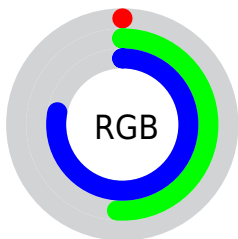
Format	Color
RYB	0, 79, 199
Decimal	33479
CIELab	51.94, -4.16, -44.00
CIELCh	52, 44.201, 264.598
Yxy	20.0888, 0.1919, 0.2107
Android (android.graphics.Color)	4278223559 (0xFF0082C7)
YUV	98.9960, 49.3020, -86.8195
Hunter-Lab	44.8205, -5.5895, -43.9560

Details

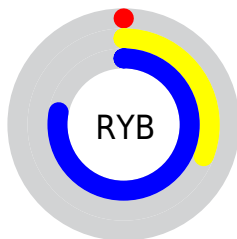
The XYZ color **18.2914, 20.0888, 56.9463** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.6841, 16.4033, 1.8136**, and the grayscale version is **11.7597, 12.3721, 13.4733**.

A 20% lighter version of the original color is **39.9133, 43.6284, 100.9252**, and **8.0533, 7.9292, 27.8941** is the 20% darker color. If you saturate the color by 10%, you get **18.2899, 20.0856, 56.9462**, and if you desaturate by 10%, it is **19.5280, 22.1353, 57.2766**.

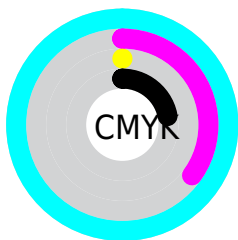
Distribution



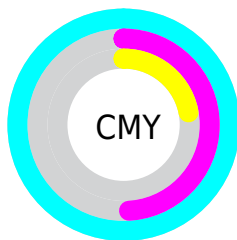
- Red (0%)
- Green (51%)
- Blue (78%)



- Red (0%)
- Yellow (31%)
- Blue (78%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2914, 20.0888, 56.9463 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 18.2914, 20.0888, 56.9463 by changing the saturation by 10% instead.

■ 18.2914, 20.0888,
56.9463

■ 18.2914, 20.0888,
56.9463

235.5224,
252.3954, 430.7362

■ 11.2604, 12.4596,
40.5531

■ 40.0594, 43.5660,
101.8864

■ 6.3108, 7.0575,
27.6530

■ 55.5271, 60.1828,
131.2703

■ 3.0774, 3.4981,
17.8275

■ 74.5378, 80.5643,
165.8215

■ 1.1948, 1.3970,
10.6580

■ 97.4567, 105.0948,
205.9586

■ 0.1023, 0.2145,
5.7261

■ 124.6493,
134.1588, 252.1001

■ 0.0000, 0.0000,
2.6132

■ 156.4808,

■ 0.0000, 0.0000,

168.1407, 304.6644

0.8992

193.3168,
207.4247, 364.0703

■ 0.0000, 0.0000,
0.0000

■ 18.2914, 20.0888,
56.9463

■ 18.2914, 20.0888,
56.9463

■ 18.2899, 20.0856,
56.9462

■ 19.5280, 22.1353,
57.2766

■ 21.1213, 24.4586,
57.6411

■ 23.1759, 27.1146,
58.0454

■ 25.7466, 30.1331,
58.4925

■ 28.8801, 33.5397,
58.9849

■ 32.6174, 37.3573,
59.5248

■ 36.9953, 41.6062,
60.1142

■ 42.0478, 46.3056,
60.7550

■ 47.8060, 51.4728,
61.4489

Harmonies

Analogous

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



14.5103, 20.0888, 48.9018



18.2914, 20.0888, 56.9463



22.9237, 20.0888, 52.9966

Triad

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



18.2914, 20.0888, 56.9463



28.0836, 20.0888, 13.1002



12.8777, 20.0888, 10.4359

Complementary

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



18.2914, 20.0888, 56.9463



25.6841, 16.4033, 1.8136

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.



15.7162, 20.0888, 6.2000



18.2914, 20.0888, 56.9463



24.5533, 20.0888, 7.2612

Square

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



18.2914, 20.0888, 56.9463



29.0599, 20.0888, 24.2881



19.9193, 20.0888, 5.3228



11.7147, 20.0888, 19.6241

Rectangle

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



18.2914, 20.0888, 56.9463



25.8307, 20.0888, 44.6668



19.9193, 20.0888, 5.3228



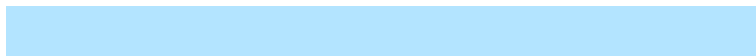
13.6437, 20.0888, 8.5548

Sweetspot

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



18.2922, 20.0894, 56.9468



64.3979, 72.4900, 105.2056



21.4181, 41.2450, 12.0423



13.0566, 14.8176, 22.4219



0.0000, 0.0000, 0.0000



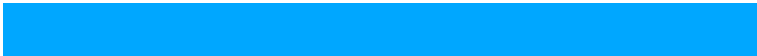
20.3446, 21.4041, 23.3091

Same Dimension

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



18.2922, 20.0894, 56.9468



31.7895, 34.6989, 99.6298



10.8588, 5.2226, 54.4690



10.6251, 11.4243, 13.5626



11.8452, 13.0843, 36.6456



0.6267, 0.7511, 1.7571

Inverse Universe

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



27.5832, 13.7548, 22.3207



48.1751, 24.0340, 38.4495



37.1608, 39.3568, 5.6391



10.9208, 10.7517, 12.5663



17.7782, 8.8609, 14.5739



0.8750, 0.4328, 0.8649

Previews

White Background



This preview shows how the XYZ color 18.2914, 20.0888, 56.9463 looks on a white 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

Black Background



This preview shows how the XYZ color 18.2914, 20.0888, 56.9463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

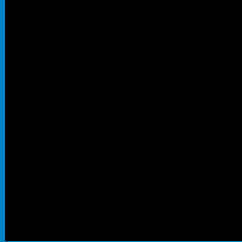
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2914, 20.0888, 56.9463

Background



This preview shows how black text looks on a background with the XYZ color 18.2914, 20.0888, 56.9463.



This preview shows how white text looks on a background with the XYZ color 18.2914, 20.0888,

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

18.2914, 20.0888, 56.9463

Protanopia

21.2783, 20.0330, 52.0355

Deuteranopia

20.7308, 20.1688, 58.0587



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

18.2914, 20.0888, 56.9463

Protanomaly

18.9319, 19.3345, 53.7730

Deuteranomaly

19.1051, 19.7202, 57.4430

Tritanomaly

15.4080, 19.8034, 39.0867

Monochromacy



Original Color

18.2914, 20.0888, 56.9463

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9990, 13.9579, 24.9834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2914, 20.0888, 56.9463 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, 130, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 199)  
}
```

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, 130, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.2914, 20.0888, 56.9463 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, 130, 199) }
```


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

```
.border{ border-color:rgb(0, 130, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2914, 20.0888, 56.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 199) }
```

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

```
.background{ background-color: rgb(0, 130,  
199) }
```

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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