

Converting Colors

XYZ(22.8131, 24.2000, 57.0220)

Have a look what the booklet for
XYZ(22.8131, 24.2000, 57.0220)
contains.

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Color

**XYZ(22.8190, 24.2918,
56.9122)**

Conversions

Conversions Part 1

Format	Color
Hex	518BC6
RGB	81, 139, 198
RGB Percent	32%, 55%, 78%
CMY	0.6823, 0.4549, 0.2235
CMYK	0.59, 0.30, 0.00, 0.22
HSL	210°, 51%, 55%
HSV	210°, 59%, 78%
XYZ	22.8190, 24.2918, 56.9122
YIQ	128.3840, -53.5070, 6.0530

Conversions

Conversions Part 2

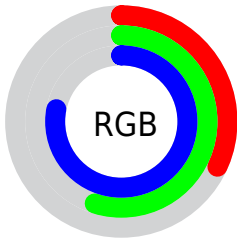
Format	Color
R _Y B	81, 120, 198
Decimal	5344198
CIE Lab	56.38, -1.22, -36.32
CIE LCh	56, 36.335, 268.077
Yxy	24.2918, 0.2194, 0.2335
Android (android.graphics.Color)	4283534278 (0xFF518BC6)
YUV	128.3840, 34.3207, -41.5558
Hunter-Lab	49.2867, -3.6090, -33.9625

Details

The XYZ color **22.8190, 24.2918, 56.9122** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **34.1531, 31.3576, 12.0383**, and the grayscale version is **20.5498, 21.6200, 23.5442**.

A 20% lighter version of the original color is **47.5471, 50.4082, 101.8315**, and **8.6064, 9.1584, 27.6997** is the 20% darker color. If you saturate the color by 10%, you get **19.9828, 20.7809, 56.3845**, and if you desaturate by 10%, it is **26.2836, 28.3235, 57.5083**.

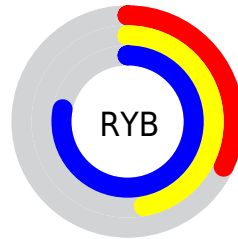
Distribution



Red (32%)

Green (55%)

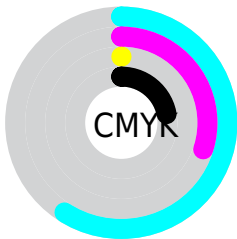
Blue (78%)



Red (32%)

Yellow (47%)

Blue (78%)

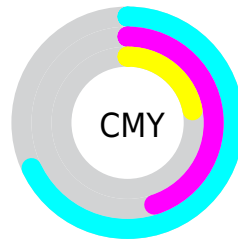


Cyan (59%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (68%)

Magenta (45%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8190, 24.2918, 56.9122 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 22.8190, 24.2918, 56.9122 by changing the saturation by 10% instead.

■ 22.8190, 24.2918,
56.9122

■ 22.8190, 24.2918,
56.9122

259.3467,
274.2924, 430.6048

■ 14.5799, 15.5502,
40.5259

■ 47.5648, 50.5060,
101.8361

■ 8.6095, 9.2064,
27.6319

■ 64.8022, 68.7473,
131.2108

■ 4.5424, 4.8761,
17.8117

■ 85.7697, 90.9241,
165.7520

■ 2.0133, 2.1747,
10.6469

■ 110.8327,
117.4206, 205.8783

■ 0.6414, 0.7062,
5.7187

140.3566,
148.6213, 252.0081

■ 0.0000, 0.0000,
2.6088

174.7066,

■ 0.0000, 0.0000,

184.9106, 304.5601

0.8970

214.2482,
226.6728, 363.9528

■ 0.0000, 0.0000,
0.0000

■ 22.8190, 24.2918,
56.9122

■ 22.8190, 24.2918,
56.9122

■ 19.9828, 20.7809,
56.3845

■ 26.2836, 28.3235,
57.5083

■ 17.7245, 17.7584,
55.9201

■ 30.4165, 32.9004,
58.1739

■ 15.9891, 15.1908,
55.5160

■ 35.2568, 38.0478,
58.9123

■ 14.6835, 13.0244,
55.1666

■ 40.8400, 43.7889,
59.7262

■ 14.5751, 12.8411,
55.1370

■ 47.1987, 50.1448,
60.6179

■ 54.3639, 57.1360,
61.5897

■ 62.3643, 64.7816,
62.6437

■ 71.2276, 73.0998,
63.7822

■ 79.4154, 81.3017,
64.9338

Harmonies

Analogous

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



19.0802, 24.2918, 51.3050



22.8190, 24.2918, 56.9122



27.0975, 24.2918, 52.5202

Triad

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



22.8190, 24.2918, 56.9122



30.9630, 24.2918, 16.9976



16.8960, 24.2918, 16.0172

Complementary

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



22.8190, 24.2918, 56.9122



34.1531, 31.3576, 12.0383

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.



19.4960, 24.2918, 10.8531



22.8190, 24.2918, 56.9122



27.6225, 24.2918, 11.2868

Square

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



22.8190, 24.2918, 56.9122



32.1263, 24.2918, 27.2325



23.3604, 24.2918, 9.4264



15.9280, 24.2918, 25.6820

Rectangle

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



22.8190, 24.2918, 56.9122



29.6262, 24.2918, 45.0839



23.3604, 24.2918, 9.4264



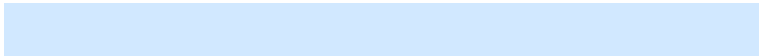
17.5913, 24.2918, 13.8214

Sweetspot

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



22.8199, 24.2927, 56.9128



73.1881, 78.4206, 105.8870



28.2852, 44.0170, 31.6247



15.0031, 16.1130, 22.5693



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.



22.8199, 24.2927, 56.9128



34.0919, 35.1172, 99.5892



16.5298, 11.7126, 54.8161



10.4837, 11.1414, 13.5154



9.5639, 8.5216, 35.8851



0.5253, 0.5484, 1.7233

Inverse Universe

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



30.8921, 19.7557, 26.6119



50.3591, 28.8204, 37.8884



44.9686, 52.9886, 15.6434



10.8494, 10.7231, 12.1902



16.6267, 8.4003, 8.5102



0.8238, 0.4124, 0.5955

Previews

White Background



This preview shows how the XYZ color 22.8190, 24.2918, 56.9122 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 22.8190, 24.2918, 56.9122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

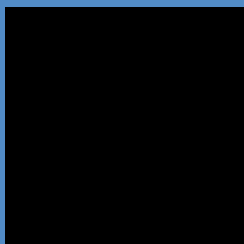
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

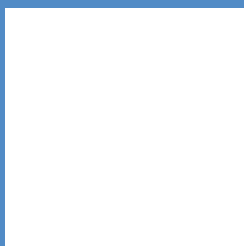
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8190, 24.2918, 56.9122

Background



This preview shows how black text looks on a background with the XYZ color 22.8190, 24.2918, 56.9122.

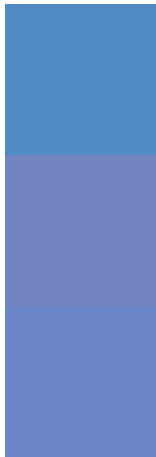


This preview shows how white text looks on a background with the XYZ color 22.8190, 24.2918,

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

22.8190, 24.2918, 56.9122

Protanopia

25.0834, 24.2702, 53.8146

Deuteranopia

24.7778, 24.2379, 57.4053



Tritanopia

18.7196, 24.4260, 36.0758

Trichromacy



Original Color

22.8190, 24.2918, 56.9122

Protanomaly

24.1078, 24.1516, 55.0209

Deuteranomaly

24.0427, 24.2732, 57.4508

Tritanomaly

20.0419, 24.2657, 43.1626

Monochromacy



Original Color

22.8190, 24.2918, 56.9122

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5566, 22.1819, 33.3351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8190, 24.2918, 56.9122 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(81, 139, 198)` looks like.

```
.text, #text, p{  
    color:rgb(81, 139, 198)  
}
```

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(81, 139, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 139, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.8190, 24.2918, 56.9122 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(81, 139, 198) }
```


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

```
.border{ border-color:rgb(81, 139, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 139, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 139, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 139, 198);  
box-shadow:4px 4px 4px 4px rgb(81, 139,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8190, 24.2918, 56.9122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 139, 198) }
```

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

```
.background{ background-color: rgb(81, 139,  
198) }
```

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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