

Converting Colors

XYZ(24.9790, 24.3080, 62.2416)

Have a look what the booklet for
XYZ(24.9790, 24.3080, 62.2416)
contains.

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Color

**XYZ(24.9332, 24.2078,
62.3899)**

Conversions

Conversions Part 1

Format	Color
Hex	6386CF
RGB	99, 134, 207
RGB Percent	39%, 53%, 81%
CMY	0.6117, 0.4745, 0.1882
CMYK	0.52, 0.35, 0.00, 0.19
HSL	221°, 53%, 60%
HSV	221°, 52%, 81%
XYZ	24.9332, 24.2078, 62.3899
YIQ	131.8570, -44.2930, 15.2830

Conversions

Conversions Part 2

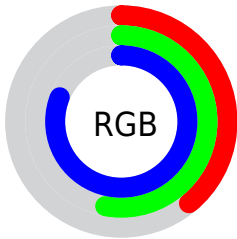
Format	Color
R _Y B	99, 125, 207
Decimal	6522575
CIE Lab	56.30, 8.46, -41.47
CIE LCh	56, 42.324, 281.525
Yxy	24.2078, 0.2236, 0.2171
Android (android.graphics.Color)	4284712655 (0xFF6386CF)
YUV	131.8570, 37.0455, -28.8156
Hunter-Lab	49.2014, 4.3538, -40.7417

Details

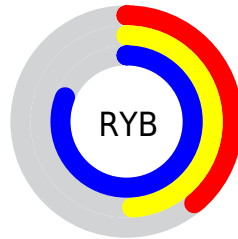
The XYZ color **24.9332, 24.2078, 62.3899** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **42.7382, 43.6733, 17.9831**, and the grayscale version is **21.7638, 22.8972, 24.9351**.

A 20% lighter version of the original color is **49.5306, 49.8286, 101.6151**, and **9.7153, 9.1761, 30.9649** is the 20% darker color. If you saturate the color by 10%, you get **21.1472, 19.5729, 61.6953**, and if you desaturate by 10%, it is **29.5565, 29.6550, 63.1981**.

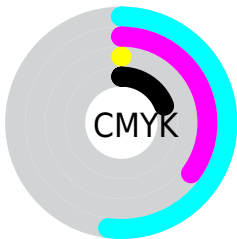
Distribution



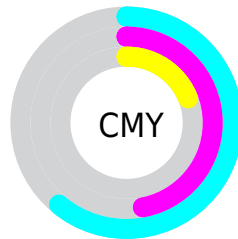
- Red (39%)
- Green (53%)
- Blue (81%)



- Red (39%)
- Yellow (49%)
- Blue (81%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9332, 24.2078, 62.3899 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 24.9332, 24.2078, 62.3899 by changing the saturation by 10% instead.

■ 24.9332, 24.2078,
62.3899

■ 24.9332, 24.2078,
62.3899

269.8589,
273.8694, 451.3988

■ 16.1558, 15.4878,
44.9100

■ 50.9925, 50.3691,
109.8659

■ 9.7260, 9.1625,
31.0441

■ 69.0051, 68.5792,
140.6991

■ 5.2785, 4.8473,
20.3737

■ 90.8268, 90.7215,
176.8204

■ 2.4480, 2.1580,
12.4802

■ 116.8229,
117.1804, 218.6485

■ 0.8691, 0.6969,
6.9451

147.3588,
148.3402, 266.6018

■ 0.0000, 0.0000,
3.3499

182.7999,

■ 0.0000, 0.0000,

184.5854, 321.0990

1.2759

223.5114,
226.3003, 382.5584

■ 0.0000, 0.0000,
0.0419

■ 0.0000, 0.0000,
0.0000

■ 24.9332, 24.2078,
62.3899

■ 24.9332, 24.2078,
62.3899

■ 21.1472, 19.5729,
61.6953

■ 29.5565, 29.6550,
63.1981

■ 18.1405, 15.7044,
61.1071

■ 35.0642, 35.9515,
64.1232

■ 15.8515, 12.5552,
60.6199

■ 41.5029, 43.1352,
65.1704

■ 14.2065, 10.0705,
60.2270

■ 48.9152, 51.2406,
66.3442

■ 13.2744, 8.5287,
59.9785

■ 57.3408, 60.3002,
67.6489

■ 66.8172, 70.3451,
69.0882

■ 77.3799, 81.4047,
70.6662

■ 85.4398, 91.6395,
72.2170

■ 88.2626, 97.2850,
73.1579

Harmonies

Analogous

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



20.1640, 24.2078, 60.9057



24.9332, 24.2078, 62.3899



29.8004, 24.2078, 52.0025

Triad

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



24.9332, 24.2078, 62.3899



30.7655, 24.2078, 12.2644



15.2131, 24.2078, 18.7325

Complementary

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



24.9332, 24.2078, 62.3899



42.7382, 43.6733, 17.9831

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.



17.3364, 24.2078, 10.9337



24.9332, 24.2078, 62.3899



26.1094, 24.2078, 8.2132

Square

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



24.9332, 24.2078, 62.3899



33.4716, 24.2078, 21.3494



21.1860, 24.2078, 7.8320



14.9910, 24.2078, 32.0948

Rectangle

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



24.9332, 24.2078, 62.3899



32.2728, 24.2078, 41.3435



21.1860, 24.2078, 7.8320



15.7125, 24.2078, 15.5175

Sweetspot

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



24.9341, 24.2086, 62.3905



73.4244, 76.7152, 105.5454



34.8101, 50.2193, 46.3879



15.1867, 15.8414, 22.5072



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.



24.9341, 24.2086, 62.3905



33.0441, 30.3023, 98.7151



23.0617, 17.2120, 61.1387



11.4720, 12.0343, 14.9619



8.4402, 5.5270, 37.8145



0.5435, 0.4522, 2.1382

Inverse Universe

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



34.4979, 23.9115, 25.3520



50.4941, 31.4159, 30.7637



45.5520, 56.3460, 20.2808



11.9644, 11.8705, 13.0883



16.8910, 8.6292, 4.3320



0.9806, 0.4969, 0.4325

Previews

White Background



This preview shows how the XYZ color 24.9332, 24.2078, 62.3899 looks on a white background.

Color Contrast Check

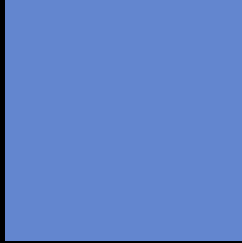
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9332, 24.2078, 62.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

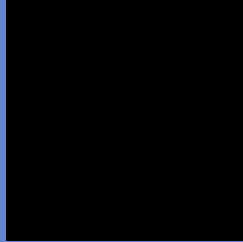
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9332, 24.2078, 62.3899

Background



This preview shows how black text looks on a background with the XYZ color 24.9332, 24.2078, 62.3899.

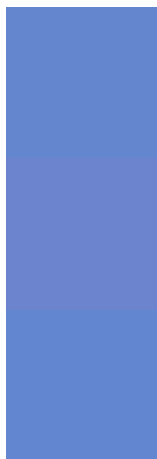


This preview shows how white text looks on a background with the XYZ color 24.9332, 24.2078,

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

24.9332, 24.2078, 62.3899

Protanopia

25.4551, 24.0985, 61.0674

Deuteranopia

24.8246, 24.1519, 62.3849



Tritanopia

19.4537, 24.1407, 35.0868

Trichromacy



Original Color

24.9332, 24.2078, 62.3899

Protanomaly

25.3538, 24.2345, 61.7340

Deuteranomaly

24.8246, 24.1519, 62.3849

Tritanomaly

21.1404, 23.9260, 44.0614

Monochromacy



Original Color

24.9332, 24.2078, 62.3899

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3913, 23.2713, 36.1126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9332, 24.2078, 62.3899 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(99, 134, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 134, 207)  
}
```

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(99, 134, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 134, 207) }
```

Border

The CSS property to change the border of an element to XYZ 24.9332, 24.2078, 62.3899 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(99, 134, 207) }
```


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

```
.border{ border-color:rgb(99, 134, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 134, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 134, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 134, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 134,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9332, 24.2078, 62.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 134, 207) }
```

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

```
.background{ background-color: rgb(99, 134,  
207) }
```

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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