

Converting Colors

XYZ(24.1051, 24.8588, 62.7340)

Have a look what the booklet for
XYZ(24.1051, 24.8588, 62.7340)
contains.

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Color

**XYZ(24.0624, 24.8092,
62.5519)**

Conversions

Conversions Part 1

Format	Color
Hex	538BCF
RGB	83, 139, 207
RGB Percent	33%, 55%, 81%
CMY	0.6745, 0.4549, 0.1882
CMYK	0.60, 0.33, 0.00, 0.19
HSL	213°, 56%, 57%
HSV	213°, 60%, 81%
XYZ	24.0624, 24.8092, 62.5519
YIQ	130.0080, -55.2040, 9.2760

Conversions

Conversions Part 2

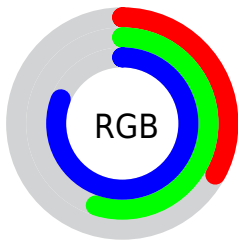
Format	Color
R _Y B	83, 122, 207
Decimal	5475279
CIE Lab	56.89, 2.13, -40.59
CIE LCh	57, 40.646, 272.999
Yxy	24.8092, 0.2160, 0.2227
Android (android.graphics.Color)	4283665359 (0xFF538BCF)
YUV	130.0080, 37.9571, -41.2260
Hunter-Lab	49.8088, -0.9330, -39.5925

Details

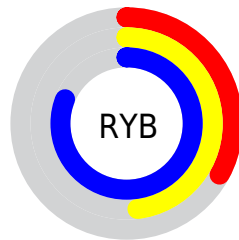
The XYZ color **24.0624, 24.8092, 62.5519** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **38.3615, 36.0253, 13.1167**, and the grayscale version is **21.1060, 22.2051, 24.1814**.

A 20% lighter version of the original color is **48.0550, 50.6701, 101.8553**, and **9.2399, 9.4118, 31.0354** is the 20% darker color. If you saturate the color by 10%, you get **20.9420, 20.8862, 61.9596**, and if you desaturate by 10%, it is **27.9004, 29.3563, 63.2278**.

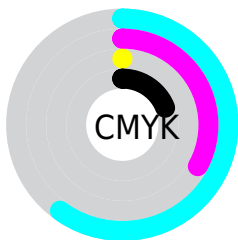
Distribution



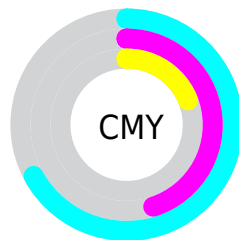
- Red (33%)
- Green (55%)
- Blue (81%)



- Red (33%)
- Yellow (48%)
- Blue (81%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0624, 24.8092, 62.5519 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 24.0624, 24.8092, 62.5519 by changing the saturation by 10% instead.

■ 24.0624, 24.8092,
62.5519

■ 24.0624, 24.8092,
62.5519

265.5704,
276.8864, 452.0045

■ 15.5049, 15.9350,
45.0401

■ 49.5859, 51.3475,
110.1021

■ 9.2631, 9.4781,
31.1459

■ 67.2827, 69.7804,
140.9776

■ 4.9717, 5.0543,
20.4505

■ 88.7566, 92.1683,
177.1448

■ 2.2652, 2.2792,
12.5356

■ 114.3730,
118.8955, 219.0222

■ 0.7768, 0.7627,
6.9826

144.4972,
150.3466, 267.0283

■ 0.0000, 0.0000,
3.3730

179.4946,

■ 0.0000, 0.0000,

186.9058, 321.5817

1.2881

219.7305,
228.9576, 383.1009

■ 0.0000, 0.0000,
0.0520

■ 0.0000, 0.0000,
0.0000

■ 24.0624, 24.8092,
62.5519

■ 24.0624, 24.8092,
62.5519

■ 20.9420, 20.8862,
61.9596

■ 27.9004, 29.3563,
63.2278

■ 18.4812, 17.5485,
61.4451

■ 32.5023, 34.5576,
63.9892

■ 16.6159, 14.7555,
61.0043

■ 37.9132, 40.4439,
64.8402

■ 15.2318, 12.4396,
60.6303

■ 44.1739, 47.0428,
65.7839

■ 15.2192, 12.4183,
60.6268

■ 51.3220, 54.3804,
66.8235

■ 59.3932, 62.4813,
67.9617

■ 68.4206, 71.3688,
69.2014

■ 78.4360, 81.0652,
70.5451

■ 84.0083, 88.7765,
71.7398

Harmonies

Analogous

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



19.6646, 24.8092, 57.7428



24.0624, 24.8092, 62.5519



28.9242, 24.8092, 55.4973

Triad

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



24.0624, 24.8092, 62.5519



32.1189, 24.8092, 15.1051



16.3299, 24.8092, 16.7750

Complementary

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



24.0624, 24.8092, 62.5519



38.3615, 36.0253, 13.1167

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.



18.9390, 24.8092, 10.4544



24.0624, 24.8092, 62.5519



27.9843, 24.8092, 9.7430

Square

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



24.0624, 24.8092, 62.5519



33.9514, 24.8092, 25.6650



23.1049, 24.8092, 8.3823



15.5709, 24.8092, 28.4074

Rectangle

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



24.0624, 24.8092, 62.5519



31.6705, 24.8092, 46.0571



23.1049, 24.8092, 8.3823



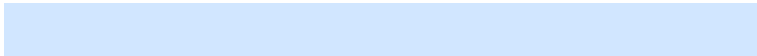
17.0006, 24.8092, 14.1099

Sweetspot

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



24.0633, 24.8101, 62.5525



72.6218, 77.2879, 105.6982



31.3167, 48.6396, 36.2290



14.8654, 15.8377, 22.5234



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.



24.0633, 24.8101, 62.5525



32.2852, 31.7892, 99.0421



18.2999, 12.7256, 60.5237



11.5970, 12.2843, 15.0035



9.6805, 8.0076, 38.2279



0.6200, 0.6052, 2.1637

Inverse Universe

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



33.4864, 21.3172, 26.7764



49.3776, 28.1610, 33.5416



48.4672, 57.9286, 16.8119



12.0275, 11.8957, 13.4206



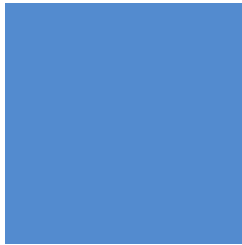
17.5170, 8.8796, 7.6287



1.0192, 0.5124, 0.6358

Previews

White Background



This preview shows how the XYZ color 24.0624, 24.8092, 62.5519 looks on a white background.

Color Contrast Check

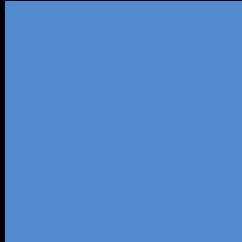
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0624, 24.8092, 62.5519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

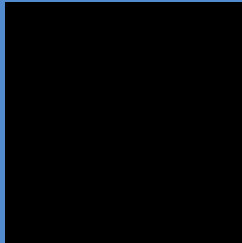
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.0624, 24.8092, 62.5519

Background



This preview shows how black text looks on a background with the XYZ color 24.0624, 24.8092, 62.5519.

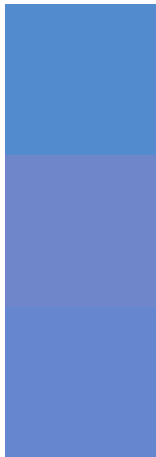


This preview shows how white text looks on a background with the XYZ color 24.0624, 24.8092,

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

24.0624, 24.8092, 62.5519

Protanopia

25.8679, 24.7592, 59.2927

Deuteranopia

25.3047, 24.5913, 63.0874



Tritanopia

18.9217, 24.7420, 37.0361

Trichromacy



Original Color

24.0624, 24.8092, 62.5519

Protanomaly

25.0701, 24.7347, 60.5797

Deuteranomaly

24.8054, 24.5421, 63.1042

Tritanomaly

20.5870, 24.7272, 45.2828

Monochromacy



Original Color

24.0624, 24.8092, 62.5519

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3691, 22.7544, 35.6135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0624, 24.8092, 62.5519 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(83, 139, 207)` looks like.

```
.text, #text, p{  
    color:rgb(83, 139, 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(83, 139, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 139, 207) }
```

Border

The CSS property to change the border of an element to XYZ 24.0624, 24.8092, 62.5519 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(83, 139, 207) }
```


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

```
.border{ border-color:rgb(83, 139, 207) }
```

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

Here you see how a box with a 4 pixel rgb(83, 139, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 139, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 139, 207);  
box-shadow:4px 4px 4px 4px rgb(83, 139,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0624, 24.8092, 62.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 139, 207) }
```

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

```
.background{ background-color: rgb(83, 139,  
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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