

# Converting Colors

XYZ(21.2160, 24.4056, 54.3429)

Have a look what the booklet for  
XYZ(21.2160, 24.4056, 54.3429)  
contains.

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# Color

**XYZ(21.2474, 24.4098,  
54.6306)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	398FC2
RGB	57, 143, 194
RGB Percent	22%, 56%, 76%
CMY	0.7764, 0.4392, 0.2392
CMYK	0.71, 0.26, 0.00, 0.24
HSL	202°, 55%, 49%
HSV	202°, 71%, 76%
XYZ	21.2474, 24.4098, 54.6306
YIQ	123.1000, -67.6270, -2.3710

# Conversions

## Conversions Part 2

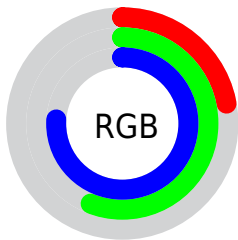
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	57, 110, 194
Decimal	3772354
CIE Lab	56.50, -9.03, -33.93
CIE LCh	56, 35.111, 255.100
Yxy	24.4098, 0.2119, 0.2434
Android (android.graphics.Color)	4281962434 (0xFF398FC2)
YUV	123.1000, 34.9537, -57.9697
Hunter-Lab	49.4063, -9.6962, -30.9751

# Details

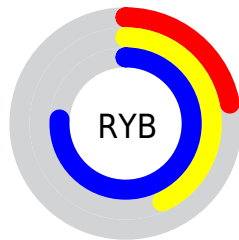
The XYZ color **21.2474, 24.4098, 54.6306** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **28.3505, 22.4917, 6.7192**, and the grayscale version is **18.7652, 19.7424, 21.4995**.

A 20% lighter version of the original color is **45.1246, 50.8906, 98.7113**, and **8.6480, 9.7222, 26.2317** is the 20% darker color. If you saturate the color by 10%, you get **19.2958, 21.8460, 54.2391**, and if you desaturate by 10%, it is **23.6929, 27.3326, 55.0664**.

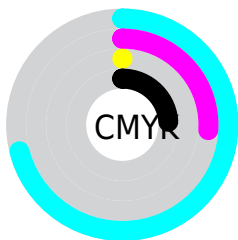
# Distribution



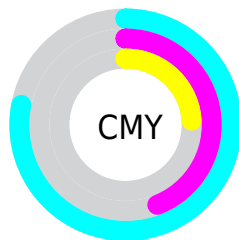
- Red (22%)
- Green (56%)
- Blue (76%)



- Red (22%)
- Yellow (43%)
- Blue (76%)



- Cyan (71%)
- Magenta (26%)
- Yellow (0%)
- Black (24%)



- Cyan (78%)
- Magenta (44%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2474, 24.4098, 54.6306 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 21.2474, 24.4098, 54.6306 by changing the saturation by 10% instead.



■ 21.2474, 24.4098,  
54.6306

■ 21.2474, 24.4098,  
54.6306

251.2973,  
274.8858, 421.7526

■ 13.4185, 15.6379,  
38.7094

■ 44.9871, 50.6981,  
98.4652

■ 7.7963, 9.2683,  
26.2277

■ 61.6286, 68.9833,  
127.2158

■ 4.0156, 4.9166,  
16.7668

■ 81.9382, 91.2084,  
161.0799

■ 1.7110, 2.1984,  
9.9081

■ 106.2815,  
117.7577, 200.4761

■ 0.4631, 0.7191,  
5.2333

■ 135.0236,  
149.0158, 245.8229

■ 0.0000, 0.0000,  
2.3237

168.5301,

■ 0.0000, 0.0000,

185.3668, 297.5389

0.7444

207.1662,  
227.1954, 356.0426

■ 0.0000, 0.0000,  
0.0000

■ 21.2474, 24.4098,  
54.6306

■ 21.2474, 24.4098,  
54.6306

■ 19.2958, 21.8460,  
54.2391

■ 23.6929, 27.3326,  
55.0664

■ 17.7831, 19.6098,  
53.8872

■ 26.6741, 30.6367,  
55.5470

■ 16.6701, 17.7598,  
53.5888

■ 30.2309, 34.3449,  
56.0753

■ 34.3983, 38.4771,  
56.6532

■ 39.2086, 43.0515,  
57.2826

■ 44.6915, 48.0852,  
57.9653

■ 50.8749, 53.5943,  
58.7027

■ 57.7848, 59.5939,  
59.4966

■ 65.4461, 66.0982,  
60.3482

# Harmonies

## Analogous

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



18.1066, 24.4098, 45.8100



21.2474, 24.4098, 54.6306



25.2984, 24.4098, 54.5978

# Triad

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



21.2474, 24.4098, 54.6306



31.6002, 24.4098, 21.1598



18.0902, 24.4098, 13.6958

# Complementary

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



21.2474, 24.4098, 54.6306



28.3505, 22.4917, 6.7192

# 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.



21.2224, 24.4098, 10.2881



21.2474, 24.4098, 54.6306



29.1706, 24.4098, 13.6601

# Square

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



21.2474, 24.4098, 54.6306



31.6090, 24.4098, 32.7632



25.2704, 24.4098, 10.2773



16.4339, 24.4098, 21.2250



# Rectangle

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



21.2474, 24.4098, 54.6306



27.9946, 24.4098, 49.4371



25.2704, 24.4098, 10.2773



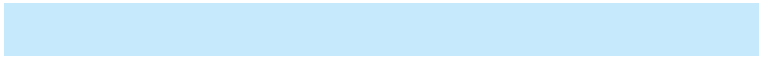
18.9881, 24.4098, 12.1421

# Sweetspot

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



21.2483, 24.4106, 54.6312



70.3690, 77.3746, 103.6957



23.6463, 40.5206, 20.5510



14.8512, 16.4184, 22.6363



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.



21.2483, 24.4106, 54.6312



33.2970, 37.1872, 97.8927



13.9603, 9.8347, 52.2019



10.0432, 10.7777, 12.8358



11.0407, 11.8379, 35.2596



0.5413, 0.6400, 1.5449



# Inverse Universe

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



28.6700, 16.3798, 27.6378



48.4978, 25.1577, 41.6150



38.4605, 42.7119, 10.0892



10.3331, 10.1819, 11.8447



16.9688, 8.4773, 13.0137



0.7656, 0.3793, 0.7331



# Previews

## White Background



This preview shows how the XYZ color 21.2474, 24.4098, 54.6306 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 21.2474, 24.4098, 54.6306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

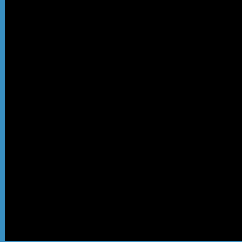
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 21.2474, 24.4098, 54.6306**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.2474, 24.4098, 54.6306.



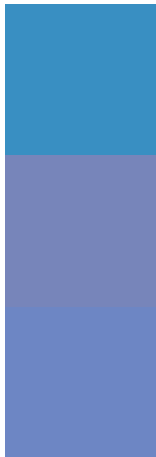
This preview shows how white text looks on a background with the XYZ color 21.2474, 24.4098,



# 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

21.2474, 24.4098, 54.6306

### Protanopia

24.8582, 24.2422, 49.8234

### Deuteranopia

24.7956, 24.2869, 55.6055



## Tritanopia

17.7761, 24.3752, 37.4862

# Trichromacy



**Original Color**

21.2474, 24.4098, 54.6306

**Protanomaly**

22.9548, 24.0522, 51.5768

**Deuteranomaly**

23.0124, 24.0051, 55.0503

**Tritanomaly**

18.8910, 24.3560, 43.2407

# Monochromacy



**Original Color**

21.2474, 24.4098, 54.6306

**Achromatopsia**

18.8265, 19.8069, 21.5697

**Achromatomaly**

18.5530, 20.7878, 31.4684

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.2474, 24.4098, 54.6306 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(57, 143, 194)` looks like.

```
.text, #text, p{  
    color:rgb(57, 143, 194)  
}
```

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(57, 143, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 143, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 21.2474, 24.4098, 54.6306 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(57, 143, 194) }
```



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

```
.border{ border-color:rgb(57, 143, 194) }
```

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

Here you see how a box with a 4 pixel rgb(57, 143, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 143, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 143, 194);  
box-shadow:4px 4px 4px 4px rgb(57, 143,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.2474, 24.4098, 54.6306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 143, 194) }
```

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

```
.background{ background-color: rgb(57, 143,  
194) }
```

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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