

# Converting Colors

XYZ(24.1441, 20.5842, 46.4167)

Have a look what the booklet for  
XYZ(24.1441, 20.5842, 46.4167)  
contains.

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# Color

**XYZ(24.1441, 20.5842,  
46.4167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8573B5
RGB	133, 115, 181
RGB Percent	52%, 45%, 71%
CMY	0.4784, 0.5490, 0.2902
CMYK	0.27, 0.36, 0.00, 0.29
HSL	256°, 31%, 58%
HSV	256°, 36%, 71%
XYZ	24.1441, 20.5842, 46.4167
YIQ	127.9060, -10.4580, 24.3420

# Conversions

## Conversions Part 2

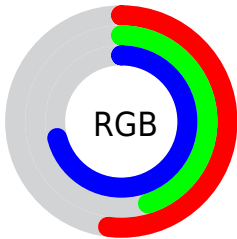
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 115, 181
Decimal	8745909
CIE Lab	52.49, 21.44, -32.43
CIE LCh	52, 38.879, 303.465
Yxy	20.5842, 0.2649, 0.2258
Android (android.graphics.Color)	4286935989 (0xFF8573B5)
YUV	127.9060, 26.1753, 4.4674
Hunter-Lab	45.3698, 15.5938, -28.8992

# Details

The XYZ color **24.1441, 20.5842, 46.4167** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.7231, 42.0725, 22.5111**, and the grayscale version is **20.4006, 21.4631, 23.3733**.

A 20% lighter version of the original color is **49.5983, 44.3167, 86.0606**, and **9.2968, 7.3222, 21.3454** is the 20% darker color. If you saturate the color by 10%, you get **20.3296, 15.8492, 45.7041**, and if you desaturate by 10%, it is **28.6257, 26.2656, 47.2775**.

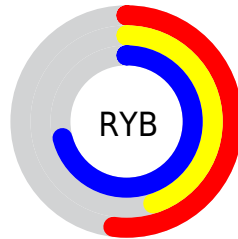
# Distribution



Red (52%)

Green (45%)

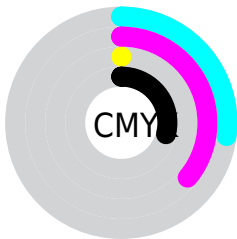
Blue (71%)



Red (52%)

Yellow (45%)

Blue (71%)

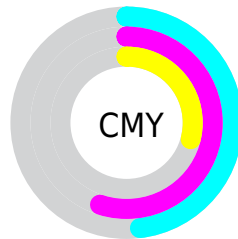


Cyan (27%)

Magenta (36%)

Yellow (0%)

Black (29%)



Cyan (48%)

Magenta (55%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1441, 20.5842, 46.4167 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 24.1441, 20.5842, 46.4167 by changing the saturation by 10% instead.



■ 24.1441, 20.5842,  
46.4167

■ 24.1441, 20.5842,  
46.4167

265.9752,  
255.0604, 388.8075

■ 15.5659, 12.8204,  
32.2237

■ 49.7182, 44.3945,  
86.1831

■ 9.3064, 7.3050,  
21.2662

■ 67.4448, 61.2098,  
112.5937

■ 5.0003, 3.6536,  
13.1256

■ 88.9515, 81.8110,  
143.9138

■ 2.2822, 1.4817,  
7.3833

■ 114.6038,  
106.5826, 180.5621

■ 0.7855, 0.2758,  
3.6209

144.7670,  
135.9090, 222.9571

■ 0.0000, 0.0000,  
1.4198

179.8063,

■ 0.0000, 0.0000,

170.1745, 271.5173

0.1571

220.0873,  
209.7635, 326.6613

■ 0.0000, 0.0000,  
0.0000

■ 24.1441, 20.5842,  
46.4167

■ 24.1441, 20.5842,  
46.4167

■ 20.3296, 15.8492,  
45.7041

■ 28.6257, 26.2656,  
47.2775

■ 17.1467, 12.0054,  
45.1300

■ 33.8033, 32.9394,  
48.2928

■ 14.5596, 8.9960,  
44.6855

■ 39.7066, 40.6515,  
49.4702

■ 12.5278, 6.7559,  
44.3602

■ 46.3629, 49.4442,  
50.8165

■ 11.0050, 5.2102,  
44.1421

■ 53.7979, 59.3574,  
52.3381

■ 9.9325, 4.2600,  
44.0152

■ 62.0364, 70.4290,  
54.0409

■ 9.6249, 3.9983,  
43.9809

■ 71.1017, 82.6951,  
55.9307

■ 79.4650, 93.0873,  
57.4958

■ 84.0555, 95.4537,  
57.7107

# Harmonies

## Analogous

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



20.0356, 20.5842, 52.5669



24.1441, 20.5842, 46.4167



27.3270, 20.5842, 33.8283

# Triad

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



24.1441, 20.5842, 46.4167



23.2250, 20.5842, 7.8683



12.8189, 20.5842, 23.7775

# Complementary

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



24.1441, 20.5842, 46.4167



34.7231, 42.0725, 22.5111

# 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.



13.4320, 20.5842, 13.9063



24.1441, 20.5842, 46.4167



19.1012, 20.5842, 6.7822

# Square

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



24.1441, 20.5842, 46.4167



26.7473, 20.5842, 12.2876



15.6043, 20.5842, 8.5531



13.7989, 20.5842, 36.9703



# Rectangle

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



24.1441, 20.5842, 46.4167



28.2928, 20.5842, 25.0276



15.6043, 20.5842, 8.5531



12.8461, 20.5842, 19.9865

# Sweetspot

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



24.1448, 20.5850, 46.4172



65.9569, 66.0483, 87.5669



28.5797, 33.3183, 48.6412



13.9538, 13.8812, 18.8662



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



24.1448, 20.5850, 46.4172



37.5077, 29.7339, 82.0570



30.1140, 23.6622, 46.6965



8.2523, 8.3386, 10.6809



6.6935, 2.7864, 30.3220



0.2680, 0.1172, 0.9567



# Inverse Universe

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



31.7982, 24.7303, 37.7482



53.4909, 38.4060, 63.2717



28.8864, 39.0636, 22.2380



8.7492, 8.6064, 10.1775



16.0211, 7.9260, 15.8030



0.5270, 0.2586, 0.6181



# Previews

## White Background



This preview shows how the XYZ color 24.1441, 20.5842, 46.4167 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 24.1441, 20.5842, 46.4167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

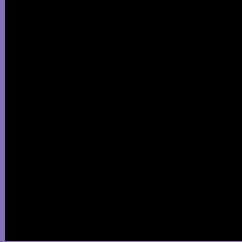
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.1441, 20.5842, 46.4167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1441, 20.5842, 46.4167.



This preview shows how white text looks on a background with the XYZ color 24.1441, 20.5842,



# 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

24.1441, 20.5842, 46.4167

### Protanopia

21.7536, 20.6803, 50.4221

### Deuteranopia

21.1700, 20.6732, 45.5224



## Tritanopia

19.9489, 20.6735, 25.4932

# Trichromacy



## Original Color

24.1441, 20.5842, 46.4167

## Protanomaly

22.4129, 20.5131, 48.6771

## Deuteranomaly

22.1458, 20.6149, 45.9919

## Tritanomaly

21.1757, 20.4211, 32.1038

# Monochromacy



## Original Color

24.1441, 20.5842, 46.4167

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.5553, 21.0183, 30.5246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1441, 20.5842, 46.4167 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(133, 115, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 181)  
}
```

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(133, 115, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1441, 20.5842, 46.4167 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(133, 115, 181) }
```



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

```
.border{ border-color:rgb(133, 115, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 115, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 115, 181); box-shadow:4px 4px 4px 4px rgb(133, 115, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1441, 20.5842, 46.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 181) }
```

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

```
.background{ background-color: rgb(133,  
115, 181) }
```

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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