

# Converting Colors

XYZ(44.6404, 49.9820, 78.3868)

Have a look what the booklet for  
XYZ(44.6404, 49.9820, 78.3868)  
contains.

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# Color

**XYZ(44.7365, 50.1308,  
78.5525)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	92C2E1
RGB	146, 194, 225
RGB Percent	57%, 76%, 88%
CMY	0.4274, 0.2392, 0.1176
CMYK	0.35, 0.14, 0.00, 0.12
HSL	204°, 57%, 73%
HSV	204°, 35%, 88%
XYZ	44.7365, 50.1308, 78.5525
YIQ	183.1820, -38.5590, -0.5350

# Conversions

## Conversions Part 2

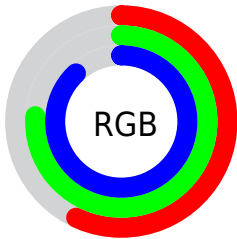
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 176, 225
Decimal	9618145
CIE Lab	76.15, -8.26, -20.50
CIE LCh	76, 22.099, 248.051
Yxy	50.1308, 0.2580, 0.2891
Android (android.graphics.Color)	4287808225 (0xFF92C2E1)
YUV	183.1820, 20.6163, -32.6086
Hunter-Lab	70.8031, -11.1213, -16.2171

# Details

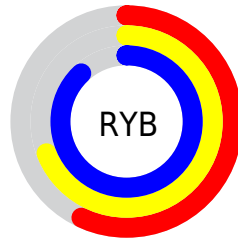
The XYZ color **44.7365, 50.1308, 78.5525** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.9628, 49.5281, 34.0169**, and the grayscale version is **45.0165, 47.3608, 51.5760**.

A 20% lighter version of the original color is **76.5927, 88.1478, 107.5851**, and **21.0474, 23.9338, 41.5406** is the 20% darker color. If you saturate the color by 10%, you get **39.2169, 44.4555, 77.7489**, and if you desaturate by 10%, it is **51.1631, 56.4493, 79.4342**.

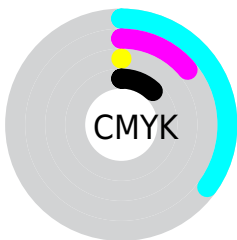
# Distribution



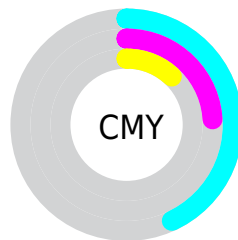
- Red (57%)
- Green (76%)
- Blue (88%)



- Red (57%)
- Yellow (69%)
- Blue (88%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)



- Cyan (43%)
- Magenta (24%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7365, 50.1308, 78.5525 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 44.7365, 50.1308, 78.5525 by changing the saturation by 10% instead.



■ 44.7365, 50.1308,  
78.5525

■ 44.7365, 50.1308,  
78.5525

356.5070,  
387.1772, 509.6187

■ 31.4503, 35.5173,  
58.0088

■ 81.5644, 90.3686,  
133.1216

■ 21.0955, 24.0617,  
41.4010

■ 105.8368,  
116.7618, 167.9842

■ 13.3067, 15.3794,  
28.3105

134.5019,  
147.8504, 208.4567

■ 7.7185, 9.0861,  
18.3188

167.9252,  
184.0186, 254.9578

■ 3.9657, 4.7974,  
11.0073

206.4721,  
225.6511, 307.9060

■ 1.6827, 2.1289,  
5.9575

250.5077,

■ 0.4454, 0.6808,

273.1321, 367.7199

2.7509

300.3976,  
326.8460, 434.8179

■ 0.0000, 0.0000,  
0.9689

■ 0.0000, 0.0000,  
0.0000

■ 44.7365, 50.1308,  
78.5525

■ 44.7365, 50.1308,  
78.5525

■ 39.2169, 44.4555,  
77.7489

■ 51.1631, 56.4493,  
79.4342

■ 34.5512, 39.3897,  
77.0169

■ 58.5365, 63.4309,  
80.3932

■ 30.6877, 34.9046,  
76.3549

■ 66.8998, 71.1019,  
81.4331

■ 27.5664, 30.9663,  
75.7592

■ 76.2919, 79.4851,  
82.5562

■ 25.1181, 27.5358,  
75.2261

■ 85.4483, 87.9313,  
83.7039

■ 23.2582, 24.5662,  
74.7509

■ 88.0843, 93.2034,  
84.5825

■ 22.4957, 23.2461,  
74.5363

■ 90.5908, 98.2163,  
85.4180

# Harmonies

## Analogous

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



41.6555, 50.1308, 69.8606



44.7365, 50.1308, 78.5525



48.7704, 50.1308, 80.3849

# Triad

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



44.7365, 50.1308, 78.5525



55.9642, 50.1308, 51.4557



42.9121, 50.1308, 38.5408

# Complementary

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



44.7365, 50.1308, 78.5525



51.9628, 49.5281, 34.0169

# 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.



46.5426, 50.1308, 34.9949



44.7365, 50.1308, 78.5525



54.1889, 50.1308, 41.7144

# Square

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



44.7365, 50.1308, 78.5525



55.4116, 50.1308, 63.5479



50.6828, 50.1308, 36.0663



40.6454, 50.1308, 46.5052



# Rectangle

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



44.7365, 50.1308, 78.5525



51.4865, 50.1308, 77.2537



50.6828, 50.1308, 36.0663



44.0049, 50.1308, 36.8492

# Sweetspot

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



44.7381, 50.1328, 78.5537



82.0615, 88.2402, 107.3147



46.6451, 63.1084, 50.9456



17.2465, 18.5938, 22.9299



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

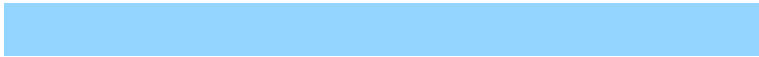


# Same Dimension

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



44.7381, 50.1328, 78.5537



54.0326, 61.0825, 103.5500



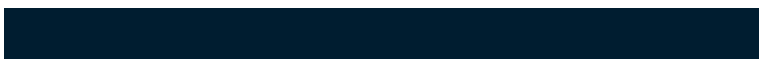
37.2036, 35.0637, 76.0422



13.6416, 14.6223, 17.4911



13.0797, 13.6290, 42.9897



0.9930, 1.1175, 3.0086



# Inverse Universe

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



51.0692, 40.4619, 56.1592



63.8213, 47.2113, 68.6831



60.7411, 67.0847, 36.9430



14.0553, 13.8398, 16.0614



20.5422, 10.2839, 14.7871



1.4675, 0.7303, 1.2547



# Previews

## White Background



This preview shows how the XYZ color 44.7365, 50.1308, 78.5525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

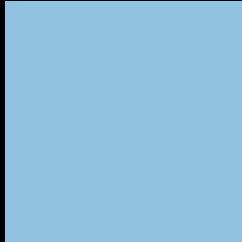
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7365, 50.1308, 78.5525 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 ✓ Pass

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

**XYZ 44.7365, 50.1308, 78.5525**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7365, 50.1308, 78.5525.



This preview shows how white text looks on a background with the XYZ color 44.7365, 50.1308,



# 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

44.7365, 50.1308, 78.5525

### Protanopia

49.4011, 50.0560, 74.0759

### Deuteranopia

50.8062, 49.7273, 79.5936



## Tritanopia

42.9513, 50.0730, 69.6886

# Trichromacy



## Original Color

44.7365, 50.1308, 78.5525

## Protanomaly

47.3972, 49.9405, 75.5480

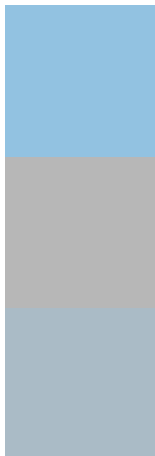
## Deuteranomaly

48.2924, 49.6896, 78.9973

## Tritanomaly

43.5411, 49.9693, 72.9958

# Monochromacy



## Original Color

44.7365, 50.1308, 78.5525

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

44.5409, 48.1639, 60.3751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7365, 50.1308, 78.5525 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(146, 194, 225) looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 225)  
}
```

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(146, 194, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7365, 50.1308, 78.5525 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(146, 194, 225) }
```



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

```
.border{ border-color:rgb(146, 194, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 194, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 194, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 194, 225);  
box-shadow:4px 4px 4px 4px rgb(146, 194,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7365, 50.1308, 78.5525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 225) }
```

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

```
.background{ background-color: rgb(146,  
194, 225) }
```

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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