

# Converting Colors

XYZ(46.3607, 54.2131, 80.8731)

Have a look what the booklet for  
XYZ(46.3607, 54.2131, 80.8731)  
contains.

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# Color

**XYZ(46.4425, 54.3945,  
80.7245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DCCE3
RGB	141, 204, 227
RGB Percent	55%, 80%, 89%
CMY	0.4470, 0.2000, 0.1098
CMYK	0.38, 0.10, 0.00, 0.11
HSL	196°, 61%, 72%
HSV	196°, 38%, 89%
XYZ	46.4425, 54.3945, 80.7245
YIQ	187.7850, -44.9310, -6.2030

# Conversions

## Conversions Part 2

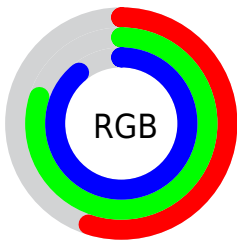
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	141, 177, 227
Decimal	9293027
CIE Lab	78.69, -14.33, -17.75
CIE LCh	79, 22.817, 231.083
Yxy	54.3945, 0.2558, 0.2996
Android (android.graphics.Color)	4287483107 (0xFF8DCCE3)
YUV	187.7850, 19.3330, -41.0304
Hunter-Lab	73.7526, -16.6645, -13.2679

# Details

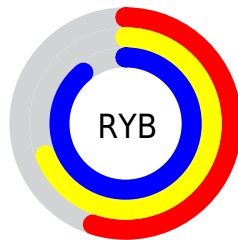
The XYZ color **46.4425, 54.3945, 80.7245** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7627, 44.8058, 31.2264**, and the grayscale version is **47.5915, 50.0699, 54.5261**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **22.1905, 26.7697, 43.0272** is the 20% darker color. If you saturate the color by 10%, you get **41.5566, 49.7765, 80.0916**, and if you desaturate by 10%, it is **52.1790, 59.5370, 81.4157**.

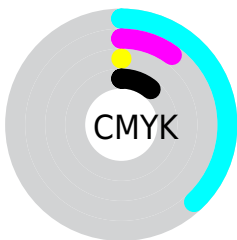
# Distribution



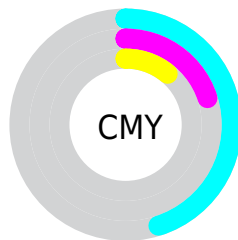
- Red (55%)
- Green (80%)
- Blue (89%)



- Red (55%)
- Yellow (69%)
- Blue (89%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (45%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4425, 54.3945, 80.7245 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 46.4425, 54.3945, 80.7245 by changing the saturation by 10% instead.



■ 46.4425, 54.3945,  
80.7245

■ 46.4425, 54.3945,  
80.7245

363.2710,  
403.6126, 517.1421

■ 32.8012, 38.9171,  
59.7851

■ 84.1047, 96.6532,  
136.2044

■ 22.1327, 26.6953,  
42.8212

■ 108.8563,  
124.2034, 171.5820

■ 14.0716, 17.3445,  
29.4145

138.0421,  
156.5466, 212.6094

■ 8.2525, 10.4804,  
19.1464

172.0274,  
194.0673, 259.7051

■ 4.3101, 5.7186,  
11.5982

211.1776,  
237.1499, 313.2877

■ 1.8790, 2.6748,  
6.3515

255.8580,

■ 0.5646, 0.9644,

286.1787, 373.7757

2.9878

306.4340,  
341.5381, 441.5877

■ 0.0000, 0.0000,  
1.0884

■ 0.0000, 0.0000,  
0.0000

■ 46.4425, 54.3945,  
80.7245

■ 46.4425, 54.3945,  
80.7245

■ 41.5566, 49.7765,  
80.0916

■ 52.1790, 59.5370,  
81.4157

■ 37.4670, 45.6504,  
79.5107

■ 58.8063, 65.2218,  
82.1637

■ 34.1208, 41.9890,  
78.9804

■ 66.3678, 71.4736,  
82.9719

■ 31.4558, 38.7596,  
78.4975

■ 74.9026, 78.3134,  
83.8422

■ 29.3994, 35.9234,  
78.0584

■ 84.4476, 85.7610,  
84.7767

■ 27.8507, 33.4277,  
77.6583

■ 86.3912, 89.3779,  
85.3724

■ 27.5554, 32.9263,  
77.5771

■ 88.2126, 93.0207,  
85.9795

■ 90.0944, 96.7842,  
86.6068

■ 90.8653, 98.3261,  
86.8638

# Harmonies

## Analogous

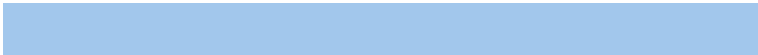
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0247, 54.3945, 68.6157



46.4425, 54.3945, 80.7245



50.3680, 54.3945, 87.3016

# Triad

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



46.4425, 54.3945, 80.7245



60.7481, 54.3945, 63.1594



48.6436, 54.3945, 38.9464

# Complementary

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



46.4425, 54.3945, 80.7245



49.7627, 44.8058, 31.2264

# 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.



53.0560, 54.3945, 37.9254



46.4425, 54.3945, 80.7245



60.2200, 54.3945, 50.7352

# Square

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



46.4425, 54.3945, 80.7245



58.7444, 54.3945, 76.2355



57.3408, 54.3945, 41.9302



45.2432, 54.3945, 44.9564



# Rectangle

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



46.4425, 54.3945, 80.7245



53.3851, 54.3945, 87.0907



57.3408, 54.3945, 41.9302



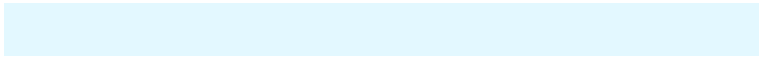
50.0514, 54.3945, 38.0467

# Sweetspot

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



46.4442, 54.3966, 80.7258



83.1263, 90.3698, 107.6696



45.1497, 63.2800, 44.9265



17.5009, 19.1027, 23.0147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

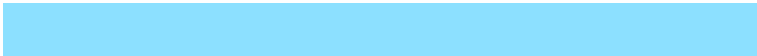


# Same Dimension

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



46.4442, 54.3966, 80.7258



55.6473, 66.2970, 104.4714



37.6075, 36.7233, 77.7802



14.4643, 15.6500, 18.4027



16.1710, 19.4040, 45.2762



1.2704, 1.5848, 3.3709



# Inverse Universe

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



52.1039, 39.7418, 62.0538



64.1517, 45.4881, 76.1428



58.7841, 62.8486, 34.2335



14.8220, 14.5460, 17.2628



22.5559, 11.1566, 22.3539

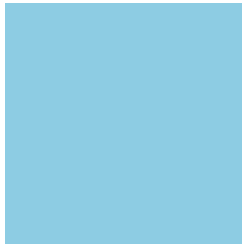


1.7049, 0.8397, 1.8524



# Previews

## White Background



This preview shows how the XYZ color 46.4425, 54.3945, 80.7245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

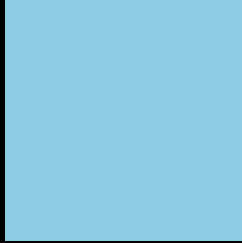
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4425, 54.3945, 80.7245 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 46.4425, 54.3945, 80.7245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4425, 54.3945, 80.7245.



This preview shows how white text looks on a background with the XYZ color 46.4425, 54.3945,



# 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

46.4425, 54.3945, 80.7245

### Protanopia

53.2234, 54.2544, 75.3771

### Deuteranopia

55.2021, 54.1422, 82.4039



## Tritanopia

45.6977, 54.4586, 76.5096

# Trichromacy



**Original Color**

46.4425, 54.3945, 80.7245

**Protanomaly**

50.2988, 54.0309, 77.5900

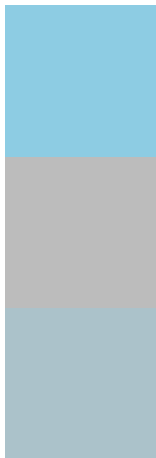
**Deuteranomaly**

51.3372, 53.8013, 81.8077

**Tritanomaly**

45.9658, 54.5658, 77.9216

# Monochromacy



**Original Color**

46.4425, 54.3945, 80.7245

**Achromatopsia**

47.7994, 50.2886, 54.7643

**Achromatomaly**

46.7470, 51.5058, 63.3549

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4425, 54.3945, 80.7245 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(141, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(141, 204, 227)  
}
```

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(141, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 204, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4425, 54.3945, 80.7245 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(141, 204, 227) }
```



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

```
.border{ border-color:rgb(141, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(141, 204,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4425, 54.3945, 80.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 204, 227) }
```

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

```
.background{ background-color: rgb(141,  
204, 227) }
```

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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