

# Converting Colors

XYZ(43.3955, 60.9491, 83.1499)

Have a look what the booklet for  
XYZ(43.3955, 60.9491, 83.1499)  
contains.

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# Color

**XYZ(43.4467, 61.1524,  
82.9125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E2E4
RGB	66, 226, 228
RGB Percent	26%, 89%, 89%
CMY	0.7411, 0.1137, 0.1059
CMYK	0.71, 0.01, 0.00, 0.11
HSL	181°, 75%, 58%
HSV	181°, 71%, 89%
XYZ	43.4467, 61.1524, 82.9125
YIQ	178.3880, -96.0020, -33.2980

# Conversions

## Conversions Part 2

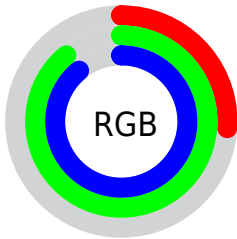
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	66, 146, 228
Decimal	4383460
CIE Lab	82.46, -39.24, -12.88
CIE LCh	82, 41.296, 198.166
Yxy	61.1524, 0.2317, 0.3261
Android (android.graphics.Color)	4282573540 (0xFF42E2E4)
YUV	178.3880, 24.4587, -98.5643
Hunter-Lab	78.2000, -37.6782, -8.1229

# Details

The XYZ color **43.4467, 61.1524, 82.9125** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.0467, 21.0230, 7.3665**, and the grayscale version is **42.4356, 44.6456, 48.6190**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **21.9176, 31.7666, 44.5116** is the 20% darker color. If you saturate the color by 10%, you get **42.1298, 60.3614, 82.8304**, and if you desaturate by 10%, it is **45.3793, 62.2637, 83.0263**.

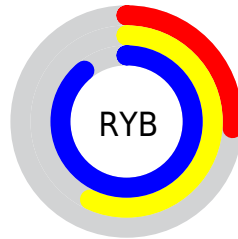
# Distribution



Red (26%)

Green (89%)

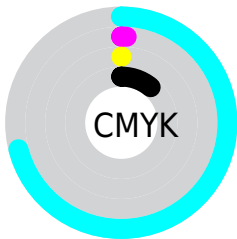
Blue (89%)



Red (26%)

Yellow (57%)

Blue (89%)

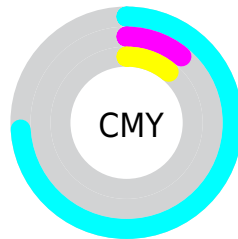


Cyan (71%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (74%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4467, 61.1524, 82.9125 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 43.4467, 61.1524, 82.9125 by changing the saturation by 10% instead.





 43.4467, 61.1524,  
82.9125


 43.4467, 61.1524,  
82.9125


351.3361,  
428.8326, 524.6582


 30.4318, 44.3482,  
61.5778


 79.6360, 106.4996,  
139.3010


 20.3163, 30.9443,  
44.2580


 103.5412,  
135.8113, 175.1919

 12.7347, 20.5565,  
30.5347

 131.8071,  
170.0610, 216.7720

 7.3219, 12.8002,  
19.9893

 164.7992,  
209.6330, 264.4597

 3.7123, 7.2911,  
12.2033

202.8828,  
254.9118, 318.6737

 1.5407, 3.6448,  
6.7581

246.4232,

 0.3533, 1.4769,

306.2817, 379.8324

3.2351

295.7858,  
364.1272, 448.3544

■ 0.0000, 0.2724,  
1.2159

■ 0.0000, 0.0000,  
0.0000

■ 43.4467, 61.1524,  
82.9125

■ 43.4467, 61.1524,  
82.9125

■ 42.1298, 60.3614,  
82.8304

■ 45.3793, 62.2637,  
83.0263


■ 41.3453, 59.8437,  
82.7718


■ 47.9870, 63.7218,  
83.1703


■ 40.9802, 59.5543,  
82.7352


■ 51.3282, 65.5583,  
83.3486


■ 55.4539, 67.7993,  
83.5637

 60.4101, 70.4687,  
83.8178

 66.2395, 73.5884,  
84.1127

 72.9819, 77.1790,  
84.4504

 80.6745, 81.2596,  
84.8326

 83.1345, 82.6429,  
84.9699

# Harmonies

## Analogous

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



43.0484, 61.1524, 57.1084



43.4467, 61.1524, 82.9125



47.5255, 61.1524, 109.7487

# Triad

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



43.4467, 61.1524, 82.9125



71.7041, 61.1524, 104.5373



61.6729, 61.1524, 29.4497

# Complementary

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



43.4467, 61.1524, 82.9125



35.0467, 21.0230, 7.3665

# 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.



70.1904, 61.1524, 36.5449



43.4467, 61.1524, 82.9125



76.3618, 61.1524, 77.0550

# Square

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



43.4467, 61.1524, 82.9125



63.5755, 61.1524, 124.2489



75.7813, 61.1524, 52.5547



52.9925, 61.1524, 30.2636



# Rectangle

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



43.4467, 61.1524, 82.9125



52.0388, 61.1524, 122.6437



75.7813, 61.1524, 52.5547



64.6650, 61.1524, 30.8968

# Sweetspot

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



43.4486, 61.1547, 82.9140



77.8082, 90.7992, 108.0328



30.9750, 57.0397, 14.5331



16.2511, 19.2182, 23.1029



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.



43.4486, 61.1547, 82.9140



53.7716, 77.4628, 106.7255



26.6859, 27.6294, 77.3264



14.7914, 16.3043, 18.5118



23.6701, 34.4022, 47.7759



1.7541, 2.5521, 3.5321



# Inverse Universe

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



47.6722, 25.8831, 74.4373



59.5636, 29.7113, 94.9624



43.4137, 37.7570, 10.1555



14.9871, 14.6120, 18.1323



26.3411, 12.6706, 42.2865

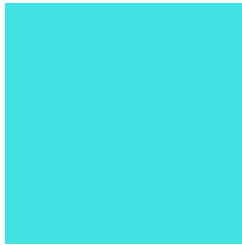


1.9490, 0.9373, 3.1379



# Previews

## White Background



This preview shows how the XYZ color 43.4467, 61.1524, 82.9125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

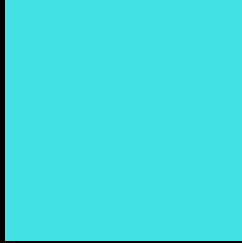
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4467, 61.1524, 82.9125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

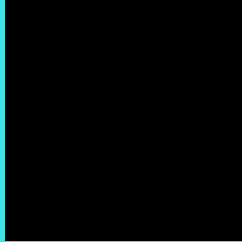
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

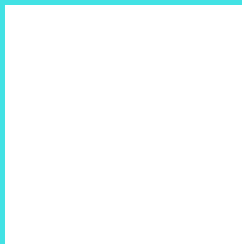
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.4467, 61.1524, 82.9125

## Background



This preview shows how black text looks on a background with the XYZ color 43.4467, 61.1524, 82.9125.



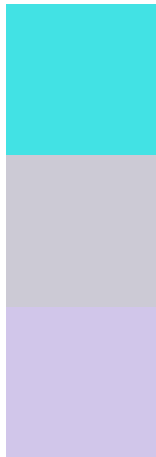
This preview shows how white text looks on a background with the XYZ color 43.4467, 61.1524,



# 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

43.4467, 61.1524, 82.9125

### Protanopia

58.0326, 59.8825, 71.4506

### Deuteranopia

61.3399, 59.8840, 86.1677



## Tritanopia

45.5843, 61.2180, 93.4181

# Trichromacy



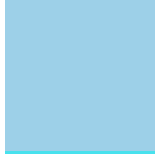
## Original Color

43.4467, 61.1524, 82.9125



## Protanomaly

49.2756, 58.5205, 75.0282



## Deuteranomaly

51.0260, 58.1060, 84.8702



## Tritanomaly

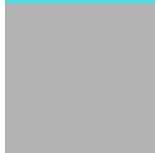
44.8838, 61.3426, 89.5954

# Monochromacy



## Original Color

43.4467, 61.1524, 82.9125



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.7954, 48.3341, 59.4565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4467, 61.1524, 82.9125 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(66, 226, 228)` looks like.

```
.text, #text, p{  
    color:rgb(66, 226, 228)  
}
```

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(66, 226, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 226, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4467, 61.1524, 82.9125 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(66, 226, 228) }
```



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

```
.border{ border-color:rgb(66, 226, 228) }
```

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

Here you see how a box with a 4 pixel rgb(66, 226, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 226, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 226, 228);  
box-shadow:4px 4px 4px 4px rgb(66, 226,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4467, 61.1524, 82.9125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 226, 228) }
```

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

```
.background{ background-color: rgb(66, 226,  
228) }
```

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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