

# Converting Colors

XYZ(34.2649, 42.9740, 79.1740)

Have a look what the booklet for  
XYZ(34.2649, 42.9740, 79.1740)  
contains.

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# Color

**XYZ(34.3095, 43.0995,  
79.1838)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42BDE3
RGB	66, 189, 227
RGB Percent	26%, 74%, 89%
CMY	0.7411, 0.2588, 0.1098
CMYK	0.71, 0.17, 0.00, 0.11
HSL	194°, 74%, 57%
HSV	194°, 71%, 89%
XYZ	34.3095, 43.0995, 79.1838
YIQ	156.5550, -85.5060, -14.2580

# Conversions

## Conversions Part 2

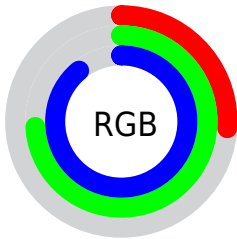
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	66, 136, 227
Decimal	4373987
CIE Lab	71.62, -21.67, -28.78
CIE LCh	72, 36.029, 233.020
Yxy	43.0995, 0.2191, 0.2752
Android (android.graphics.Color)	4282564067 (0xFF42BDE3)
YUV	156.5550, 34.7294, -79.4167
Hunter-Lab	65.6502, -21.6019, -25.5573

# Details

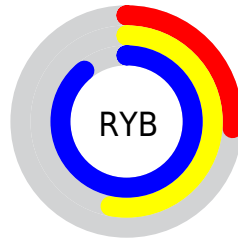
The XYZ color **34.3095, 43.0995, 79.1838** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **37.6139, 26.6271, 8.3130**, and the grayscale version is **31.7267, 33.3790, 36.3497**.

A 20% lighter version of the original color is **60.3753, 77.5114, 106.3868**, and **16.1548, 20.5486, 41.6429** is the 20% darker color. If you saturate the color by 10%, you get **31.9414, 40.2000, 78.7498**, and if you desaturate by 10%, it is **37.3295, 46.3999, 79.6625**.

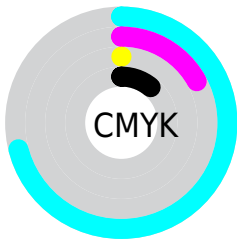
# Distribution



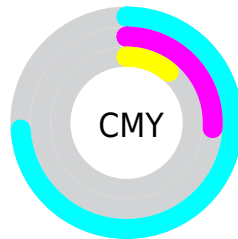
- Red (26%)
- Green (74%)
- Blue (89%)



- Red (26%)
- Yellow (53%)
- Blue (89%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (74%)
- Magenta (26%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3095, 43.0995, 79.1838 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 34.3095, 43.0995, 79.1838 by changing the saturation by 10% instead.



■ 34.3095, 43.0995,  
79.1838

■ 34.3095, 43.0995,  
79.1838

313.0716,  
359.0208, 511.8120

■ 23.2955, 29.9632,  
58.5247

■ 65.7558, 79.8610,  
134.0186

■ 14.9337, 19.8107,  
41.8132

■ 86.9187, 104.2550,  
169.0314

■ 8.8589, 12.2575,  
28.6305

■ 112.1954,  
133.1703, 209.6659

■ 4.7056, 6.9193,  
18.5583

■ 141.9511,  
166.9913, 256.3405

■ 2.1086, 3.4117,  
11.1780

176.5512,  
206.1025, 309.4739

■ 0.6939, 1.3502,  
6.0710

216.3611,

■ 0.0000, 0.1796,

250.8882, 369.4846

2.8188

261.7461,  
301.7329, 436.7911

■ 0.0000, 0.0000,  
1.0029

■ 0.0000, 0.0000,  
0.0000

■ 34.3095, 43.0995,  
79.1838

■ 34.3095, 43.0995,  
79.1838

■ 31.9414, 40.2000,  
78.7498

■ 37.3295, 46.3999,  
79.6625

■ 30.1439, 37.6564,  
78.3536

■ 41.0618, 50.1306,  
80.1859

■ 28.8899, 35.5954,  
78.0218

■ 45.5641, 54.3227,  
80.7578

■ 50.8870, 59.0031,  
81.3806

■ 57.0767, 64.1961,  
82.0567

■ 64.1757, 69.9244,  
82.7882

■ 72.2237, 76.2088,  
83.5771

■ 81.2580, 83.0694,  
84.4251

■ 85.4543, 87.5042,  
85.0600

# Harmonies

## Analogous

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



31.0944, 43.0995, 61.3200



34.3095, 43.0995, 79.1838



39.5565, 43.0995, 88.7662

# Triad

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



34.3095, 43.0995, 79.1838



53.7381, 43.0995, 51.1279



36.5492, 43.0995, 22.3128

# Complementary

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



34.3095, 43.0995, 79.1838



37.6139, 26.6271, 8.3130

# 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.



42.4061, 43.0995, 20.8681



34.3095, 43.0995, 79.1838



52.7299, 43.0995, 34.9849

# Square

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



34.3095, 43.0995, 79.1838



51.0619, 43.0995, 70.1611



48.4294, 43.0995, 24.8920



32.2951, 43.0995, 29.4899



# Rectangle

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



34.3095, 43.0995, 79.1838



43.6631, 43.0995, 87.8300



48.4294, 43.0995, 24.8920



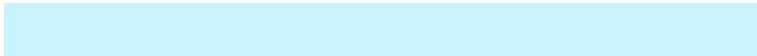
38.3800, 43.0995, 21.2280

# Sweetspot

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



34.3109, 43.1010, 79.1849



74.1181, 83.4191, 106.8028



32.1941, 57.0883, 22.3062



15.3616, 17.4392, 22.8064



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

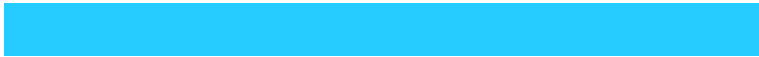


# Same Dimension

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



34.3109, 43.1010, 79.1849



40.4136, 50.7468, 102.2728



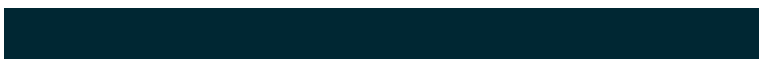
21.5752, 17.6295, 74.9396



14.5040, 15.7294, 18.4160



16.9424, 20.9468, 45.5334



1.3218, 1.6876, 3.3880



# Inverse Universe

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



42.8134, 23.9030, 50.5028



52.8211, 27.0143, 59.4568



49.8177, 51.0348, 12.3809



14.8420, 14.5540, 17.3683



22.9452, 11.3123, 24.4043

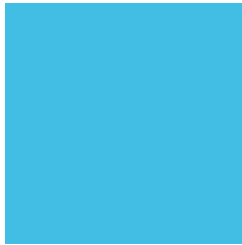


1.7308, 0.8500, 1.9890



# Previews

## White Background



This preview shows how the XYZ color 34.3095, 43.0995, 79.1838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

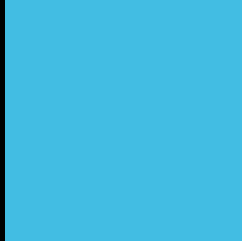
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.3095, 43.0995, 79.1838 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

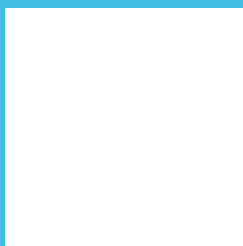
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.3095, 43.0995, 79.1838**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.3095, 43.0995, 79.1838.



This preview shows how white text looks on a background with the XYZ color 34.3095, 43.0995,



# 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

34.3095, 43.0995, 79.1838

### Protanopia

42.3281, 42.3039, 70.2245

### Deuteranopia

43.4839, 42.3689, 81.4875



## Tritanopia

31.7030, 43.0102, 66.3054

# Trichromacy



**Original Color**

34.3095, 43.0995, 79.1838

**Protanomaly**

37.6087, 41.5445, 73.0545

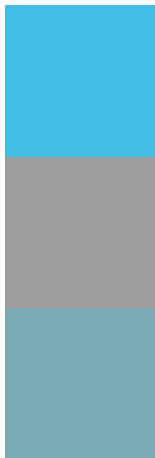
**Deuteranomaly**

38.8075, 41.9896, 80.9223

**Tritanomaly**

32.6415, 43.0674, 70.8824

# Monochromacy



**Original Color**

34.3095, 43.0995, 79.1838

**Achromatopsia**

32.0474, 33.7164, 36.7171

**Achromatomaly**

30.9436, 36.0384, 49.5812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3095, 43.0995, 79.1838 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, 189, 227)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 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(66, 189, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3095, 43.0995, 79.1838 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, 189, 227) }
```



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

```
.border{ border-color:rgb(66, 189, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 227);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3095, 43.0995, 79.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 227) }
```

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

```
.background{ background-color: rgb(66, 189,  
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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