

Converting Colors

XYZ(35.4609, 44.9881, 79.4876)

Have a look what the booklet for
XYZ(35.4609, 44.9881, 79.4876)
contains.

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Color

**XYZ(35.4609, 44.9881,
79.4876)**

Conversions

Conversions Part 1

Format	Color
Hex	46C1E3
RGB	70, 193, 227
RGB Percent	27%, 76%, 89%
CMY	0.7255, 0.2431, 0.1098
CMYK	0.69, 0.15, 0.00, 0.11
HSL	193°, 74%, 58%
HSV	193°, 69%, 89%
XYZ	35.4609, 44.9881, 79.4876
YIQ	160.0990, -84.2220, -15.5020

Conversions

Conversions Part 2

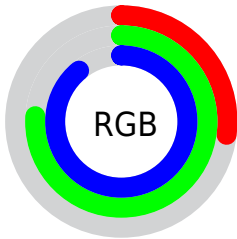
Format	Color
R _{YB}	70, 139, 227
Decimal	4637155
CIE _{Lab}	72.88, -23.17, -26.84
CIE _{LCh}	73, 35.456, 229.190
Y _{xy}	44.9881, 0.2217, 0.2813
Android (android.graphics.Color)	4282827235 (0xFF46C1E3)
YUV	160.0990, 32.9822, -79.0168
Hunter-Lab	67.0732, -23.0069, -23.3126

Details

The XYZ color **35.4609, 44.9881, 79.4876** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.7359, 26.6757, 8.9561**, and the grayscale version is **33.3417, 35.0781, 38.2000**.

A 20% lighter version of the original color is **62.3889, 80.8255, 106.9204**, and **16.6790, 21.4438, 42.2897** is the 20% darker color. If you saturate the color by 10%, you get **33.0537, 42.1614, 79.0697**, and if you desaturate by 10%, it is **38.5257, 48.2092, 79.9487**.

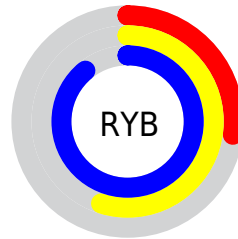
Distribution



Red (27%)

Green (76%)

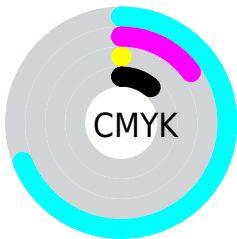
Blue (89%)



Red (27%)

Yellow (55%)

Blue (89%)

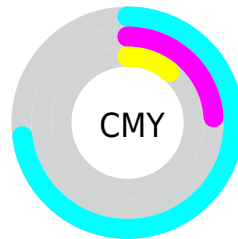


Cyan (69%)

Magenta (15%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (24%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4609, 44.9881, 79.4876 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 35.4609, 44.9881, 79.4876 by changing the saturation by 10% instead.

■ 35.4609, 44.9881,
79.4876

■ 35.4609, 44.9881,
79.4876

318.0706,
366.7254, 512.8655

■ 24.1863, 31.4481,
58.7731

■ 67.5285, 82.7026,
134.4500

■ 15.5974, 20.9403,
42.0117

■ 89.0522, 107.6458,
169.5349

■ 9.3287, 13.0803,
28.7848

■ 114.7230,
137.1588, 210.2471

■ 5.0150, 7.4839,
18.6739

■ 144.9062,
171.6261, 257.0051

■ 2.2909, 3.7665,
11.2605

179.9672,
211.4320, 310.2274

■ 0.7900, 1.5438,
6.1259

220.2714,

■ 0.0000, 0.3193,

256.9609, 370.3325

2.8518

266.1840,
308.5972, 437.7390

■ 0.0000, 0.0000,
1.0195

■ 0.0000, 0.0000,
0.0000

■ 35.4609, 44.9881,
79.4876

■ 35.4609, 44.9881,
79.4876

■ 33.0537, 42.1614,
79.0697

■ 38.5257, 48.2092,
79.9487

■ 31.2254, 39.6853,
78.6882

■ 42.3065, 51.8527,
80.4527

■ 29.8603, 37.5007,
78.3384

■ 46.8599, 55.9491,
81.0034

■ 29.7541, 37.3237,
78.3099

■ 52.2356, 60.5245,
81.6032

■ 58.4787, 65.6028,
82.2543

■ 65.6314, 71.2060,
82.9589

■ 73.7326, 77.3548,
83.7187

■ 82.8192, 84.0686,
84.5357

■ 85.4610, 87.5175,
85.0622

Harmonies

Analogous

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



32.4992, 44.9881, 61.0317



35.4609, 44.9881, 79.4876



40.5717, 44.9881, 90.5453

Triad

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



35.4609, 44.9881, 79.4876



55.5130, 44.9881, 55.6417



38.9751, 44.9881, 23.3793

Complementary

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



35.4609, 44.9881, 79.4876



37.7359, 26.6757, 8.9561

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.



45.0252, 44.9881, 22.6027



35.4609, 44.9881, 79.4876



54.9804, 44.9881, 38.6369

Square

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



35.4609, 44.9881, 79.4876



52.3894, 44.9881, 74.7341



50.9973, 44.9881, 27.4940



34.3891, 44.9881, 29.9545

Rectangle

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



35.4609, 44.9881, 79.4876



44.6841, 44.9881, 90.7969



50.9973, 44.9881, 27.4940



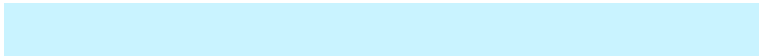
40.8917, 44.9881, 22.5032

Sweetspot

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



35.4624, 44.9897, 79.4887



74.4299, 84.0427, 106.9067



32.3649, 57.1889, 21.7498



15.4365, 17.5889, 22.8314



0.0000, 0.0000, 0.0000



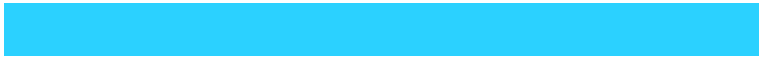
20.3446, 21.4041, 23.3091

Same Dimension

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



35.4624, 44.9897, 79.4887



41.9019, 53.4229, 102.7109



22.7656, 19.5962, 75.2564



14.5287, 15.7788, 18.4242



17.4414, 21.9450, 45.6997



1.3548, 1.7536, 3.3990

Inverse Universe

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



43.4957, 24.5630, 52.9024



53.6457, 27.6249, 62.9332



49.0866, 49.3771, 12.7396



14.8545, 14.5590, 17.4339



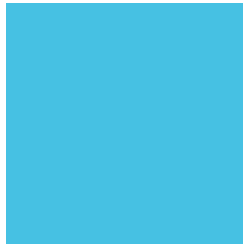
23.1971, 11.4131, 25.7308



1.7475, 0.8567, 2.0768

Previews

White Background



This preview shows how the XYZ color 35.4609, 44.9881, 79.4876 looks on a white background.

Color Contrast Check

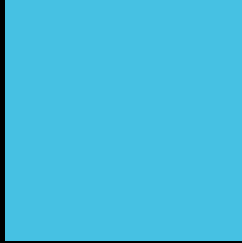
Large Text (above 18pt) WCAG AA × Fail

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 35.4609, 44.9881, 79.4876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

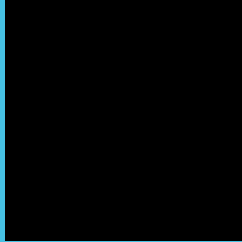
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4609, 44.9881, 79.4876

Background



This preview shows how black text looks on a background with the XYZ color 35.4609, 44.9881, 79.4876.

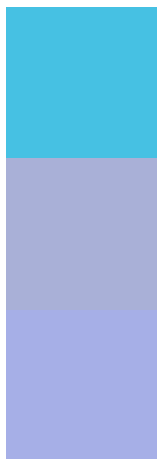


This preview shows how white text looks on a background with the XYZ color 35.4609, 44.9881,

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

35.4609, 44.9881, 79.4876

Protanopia

44.1533, 44.3920, 70.5314

Deuteranopia

45.4797, 44.5365, 81.8007



Tritanopia

33.4871, 45.1940, 69.2457

Trichromacy



Original Color

35.4609, 44.9881, 79.4876



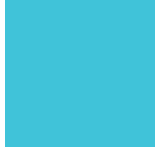
Protanomaly

39.1870, 43.5569, 73.3598



Deuteranomaly

40.3709, 43.9944, 81.2269



Tritanomaly

34.1538, 45.1300, 72.5565

Monochromacy



Original Color

35.4609, 44.9881, 79.4876



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.1566, 37.4778, 50.8865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4609, 44.9881, 79.4876 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(70, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(70, 193, 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(70, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 193, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.4609, 44.9881, 79.4876 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(70, 193, 227) }
```


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

```
.border{ border-color:rgb(70, 193, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 193, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(70, 193,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4609, 44.9881, 79.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 193, 227) }
```

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

```
.background{ background-color: rgb(70, 193,  
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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