

Converting Colors

XYZ(33.9797, 42.2364, 79.0346)

Have a look what the booklet for
XYZ(33.9797, 42.2364, 79.0346)
contains.

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Color

**XYZ(34.0193, 42.3156,
79.0478)**

Conversions

Conversions Part 1

Format	Color
Hex	44BBE3
RGB	68, 187, 227
RGB Percent	27%, 73%, 89%
CMY	0.7333, 0.2667, 0.1098
CMYK	0.70, 0.18, 0.00, 0.11
HSL	195°, 74%, 58%
HSV	195°, 70%, 89%
XYZ	34.0193, 42.3156, 79.0478
YIQ	155.9790, -83.7640, -12.7880

Conversions

Conversions Part 2

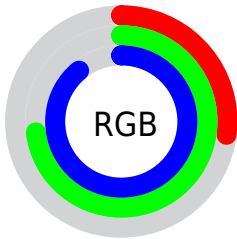
Format	Color
RYB	68, 136, 227
Decimal	4504547
CIELab	71.09, -20.38, -29.60
CIELCh	71, 35.935, 235.458
Yxy	42.3156, 0.2189, 0.2723
Android (android.graphics.Color)	4282694627 (0xFF44BBE3)
YUV	155.9790, 35.0134, -77.1576
Hunter-Lab	65.0504, -20.4885, -26.5125

Details

The XYZ color **34.0193, 42.3156, 79.0478** 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 **38.0860, 27.4754, 8.7663**, and the grayscale version is **31.4679, 33.1066, 36.0531**.

A 20% lighter version of the original color is **59.9321, 76.3895, 106.1936**, and **15.8758, 19.9905, 41.5499** is the 20% darker color. If you saturate the color by 10%, you get **31.5444, 39.2775, 78.5927**, and if you desaturate by 10%, it is **37.1578, 45.7688, 79.5497**.

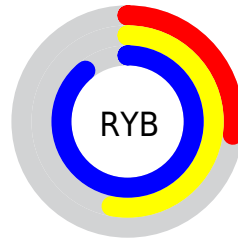
Distribution



Red (27%)

Green (73%)

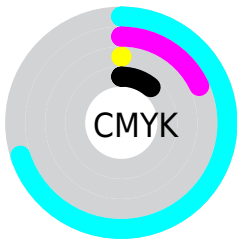
Blue (89%)



Red (27%)

Yellow (53%)

Blue (89%)

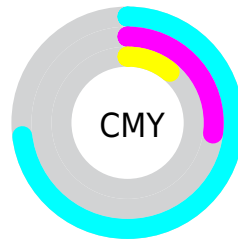


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (27%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0193, 42.3156, 79.0478 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 34.0193, 42.3156, 79.0478 by changing the saturation by 10% instead.

■ 34.0193, 42.3156,
79.0478

■ 34.0193, 42.3156,
79.0478

311.8025,
355.7896, 511.3399

■ 23.0714, 29.3485,
58.4136

■ 65.3078, 78.6770,
133.8254

■ 14.7672, 19.3446,
41.7243

■ 86.3790, 102.8402,
168.8059

■ 8.7414, 11.9195,
28.5615

■ 111.5555,
131.5041, 209.4055

■ 4.6287, 6.6889,
18.5067

■ 141.2024,
165.0532, 256.0428

■ 2.0636, 3.2683,
11.1412

175.6852,
203.8719, 309.1364

■ 0.6693, 1.2734,
6.0465

215.3693,

■ 0.0000, 0.1204,

248.3446, 369.1047

2.8041

260.6199,
298.8557, 436.3664

■ 0.0000, 0.0000,
0.9955

■ 0.0000, 0.0000,
0.0000

■ 34.0193, 42.3156,
79.0478

■ 34.0193, 42.3156,
79.0478

■ 31.5444, 39.2775,
78.5927

■ 37.1578, 45.7688,
79.5497

■ 29.6530, 36.6102,
78.1775

■ 41.0194, 49.6664,
80.0985

■ 28.2199, 34.2554,
77.7985

■ 45.6615, 54.0395,
80.6980

■ 51.1343, 58.9147,
81.3505

■ 57.4837, 64.3165,
82.0585

■ 64.7520, 70.2675,
82.8241

■ 72.9788, 76.7888,
83.6492

■ 82.2012, 83.9002,
84.5358

■ 85.7964, 88.1884,
85.1740

Harmonies

Analogous

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



30.6659, 42.3156, 61.8069



34.0193, 42.3156, 79.0478



39.3118, 42.3156, 87.5442

Triad

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



34.0193, 42.3156, 79.0478



52.8680, 42.3156, 48.7444



35.4562, 42.3156, 22.1953

Complementary

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



34.0193, 42.3156, 79.0478



38.0860, 27.4754, 8.7663

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.



41.1415, 42.3156, 20.3396



34.0193, 42.3156, 79.0478



51.5764, 42.3156, 33.2677

Square

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



34.0193, 42.3156, 79.0478



50.5041, 42.3156, 67.4923



47.1311, 42.3156, 23.8445



31.4358, 42.3156, 29.7475

Rectangle

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



34.0193, 42.3156, 79.0478



43.3775, 42.3156, 85.8787



47.1311, 42.3156, 23.8445



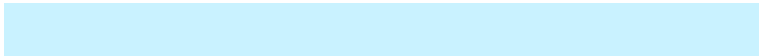
37.2190, 42.3156, 20.9797

Sweetspot

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



34.0207, 42.3171, 79.0488



73.8704, 82.9236, 106.7202



32.5479, 57.2457, 23.4539



15.3022, 17.3203, 22.7866



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.



34.0207, 42.3171, 79.0488



39.8693, 49.5129, 102.0634



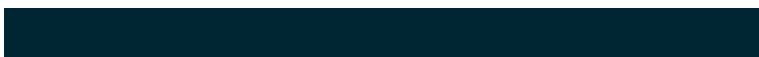
21.5869, 17.4494, 74.9042



14.4843, 15.6901, 18.4094



16.5552, 20.1725, 45.4043



1.2961, 1.6361, 3.3795

Inverse Universe

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



42.7165, 24.0545, 49.4067



52.5819, 27.0544, 57.7782



50.5467, 52.3968, 12.9199



14.8321, 14.5500, 17.3160



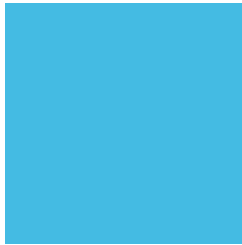
22.7498, 11.2341, 23.3752



1.7178, 0.8448, 1.9206

Previews

White Background



This preview shows how the XYZ color 34.0193, 42.3156, 79.0478 looks on a white background.

Color Contrast Check

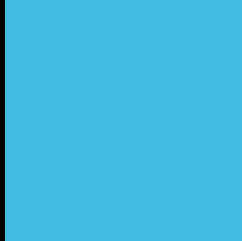
Large Text (above 18pt) WCAG AA × Fail

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 34.0193, 42.3156, 79.0478 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 34.0193, 42.3156, 79.0478

Background



This preview shows how black text looks on a background with the XYZ color 34.0193, 42.3156, 79.0478.



This preview shows how white text looks on a background with the XYZ color 34.0193, 42.3156,

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

34.0193, 42.3156, 79.0478

Protanopia

41.7289, 41.7135, 70.1421

Deuteranopia

42.7032, 41.6871, 81.3970



Tritanopia

31.2927, 42.5021, 64.9469

Trichromacy



Original Color

34.0193, 42.3156, 79.0478

Protanomaly

37.4104, 41.1479, 72.9884

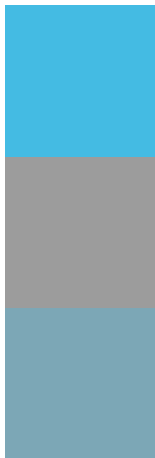
Deuteranomaly

38.2657, 41.1238, 80.7838

Tritanomaly

32.3547, 42.6118, 70.1379

Monochromacy



Original Color

34.0193, 42.3156, 79.0478

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5744, 35.2999, 49.4581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0193, 42.3156, 79.0478 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(68, 187, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 187, 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(68, 187, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 187, 227) }
```

Border

The CSS property to change the border of an element to XYZ 34.0193, 42.3156, 79.0478 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(68, 187, 227) }
```


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

```
.border{ border-color:rgb(68, 187, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 187, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 187, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 187, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 187,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0193, 42.3156, 79.0478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 187, 227) }
```

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

```
.background{ background-color: rgb(68, 187,  
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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