

Converting Colors

XYZ(34.6432, 36.3844, 83.8643)

Have a look what the booklet for
XYZ(34.6432, 36.3844, 83.8643)
contains.

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Color

**XYZ(34.5755, 36.3348,
83.7883)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA6EB
RGB	106, 166, 235
RGB Percent	42%, 65%, 92%
CMY	0.5843, 0.3490, 0.0784
CMYK	0.55, 0.29, 0.00, 0.08
HSL	212°, 76%, 67%
HSV	212°, 55%, 92%
XYZ	34.5755, 36.3348, 83.7883
YIQ	155.9260, -57.9090, 8.7390

Conversions

Conversions Part 2

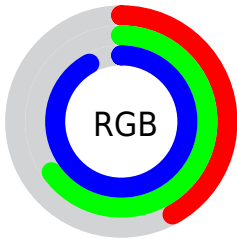
Format	Color
RYB	106, 147, 235
Decimal	6989547
CIELab	66.77, 0.14, -40.56
CIELCh	67, 40.560, 270.196
Yxy	36.3348, 0.2235, 0.2349
Android (android.graphics.Color)	4285179627 (0xFF6AA6EB)
YUV	155.9260, 38.9835, -43.7851
Hunter-Lab	60.2784, -3.1000, -40.2196

Details

The XYZ color **34.5755, 36.3348, 83.7883** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.1941, 49.3649, 20.4148**, and the grayscale version is **31.4185, 33.0547, 35.9965**.

A 20% lighter version of the original color is **59.4235, 66.9322, 104.3950**, and **15.0684, 15.7607, 44.8958** is the 20% darker color. If you saturate the color by 10%, you get **29.9815, 30.7391, 82.9511**, and if you desaturate by 10%, it is **40.1605, 42.7742, 84.7376**.

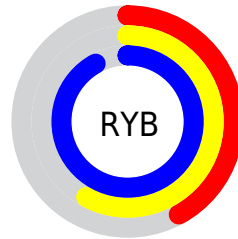
Distribution



Red (42%)

Green (65%)

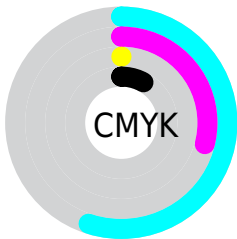
Blue (92%)



Red (42%)

Yellow (58%)

Blue (92%)

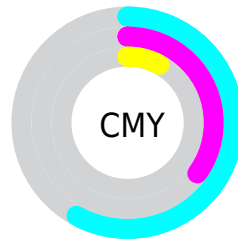


Cyan (55%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (58%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5755, 36.3348, 83.7883 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 34.5755, 36.3348, 83.7883 by changing the saturation by 10% instead.

■ 34.5755, 36.3348,
83.7883

■ 34.5755, 36.3348,
83.7883

314.2316,
330.4215, 527.6496

■ 23.5010, 24.6929,
62.2963

■ 66.1660, 69.5485,
140.5381

■ 15.0866, 15.8484,
44.8348

■ 87.4127, 91.8891,
176.6329

■ 8.9669, 9.4169,
30.9853

■ 112.7809,
118.5647, 218.4325

■ 4.7766, 5.0141,
20.3293

142.6360,
149.9597, 266.3553

■ 2.1502, 2.2555,
12.4482

177.3432,
186.4584, 320.8199

■ 0.7163, 0.7500,
6.9235

217.2680,

■ 0.0000, 0.0000,

228.4454, 382.2447

3.3366

262.7757,
276.3050, 451.0485

■ 0.0000, 0.0000,
1.2689

■ 0.0000, 0.0000,
0.0361

■ 34.5755, 36.3348,
83.7883

■ 34.5755, 36.3348,
83.7883

■ 29.9815, 30.7391,
82.9511

■ 40.1605, 42.7742,
84.7376

■ 26.3041, 25.9374,
82.2181

■ 46.7955, 50.0950,
85.8009

■ 23.4633, 21.8791,
81.5845

■ 54.5394, 58.3367,
86.9836

■ 21.3606, 18.5032,
81.0437

■ 63.4451, 67.5352,
88.2897

■ 20.4963, 16.9997,
80.7990

■ 73.5620, 77.7240,
89.7231

■ 84.9364, 88.9349,
91.2875

■ 91.6751, 98.1374,
92.7086

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



29.0056, 36.3348, 76.6440



34.5755, 36.3348, 83.7883



40.8042, 36.3348, 76.4646

Triad

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



34.5755, 36.3348, 83.7883



45.7480, 36.3348, 24.9063



25.2900, 36.3348, 25.0536

Complementary

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



34.5755, 36.3348, 83.7883



52.1941, 49.3649, 20.4148

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.



28.9435, 36.3348, 16.9832



34.5755, 36.3348, 83.7883



40.7262, 36.3348, 16.9175

Square

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



34.5755, 36.3348, 83.7883



47.7028, 36.3348, 39.4470



34.4948, 36.3348, 14.5095



24.0454, 36.3348, 39.6781

Rectangle

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



34.5755, 36.3348, 83.7883



44.3968, 36.3348, 65.3228



34.4948, 36.3348, 14.5095



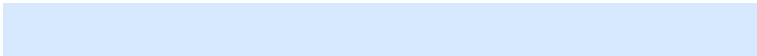
26.2540, 36.3348, 21.6593

Sweetspot

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



34.5768, 36.3361, 83.7892



75.0288, 79.9239, 106.0802



43.3718, 65.5692, 50.8265



15.5672, 16.6025, 22.6341



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.



34.5768, 36.3361, 83.7892



35.4036, 36.1339, 99.7163



26.6188, 19.6423, 80.9864



14.8087, 15.7038, 19.1729



11.5321, 9.7111, 45.0096



1.0010, 0.9534, 3.5661

Inverse Universe

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



46.2991, 30.7250, 39.5678



51.4134, 30.7437, 38.8108



65.1691, 77.3972, 25.1418



15.3570, 15.1706, 17.1652



20.6762, 10.4731, 9.3619



1.6717, 0.8417, 0.9888

Previews

White Background



This preview shows how the XYZ color 34.5755, 36.3348, 83.7883 looks on a white background.

Color Contrast Check

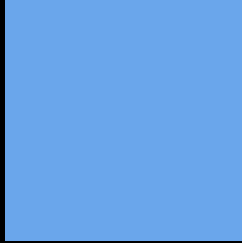
Large Text (above 18pt) WCAG AA × Fail

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 34.5755, 36.3348, 83.7883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

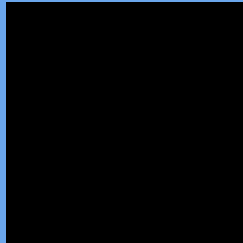
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

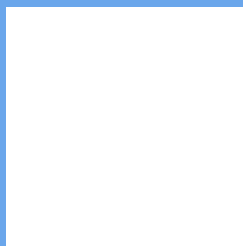
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5755, 36.3348, 83.7883

Background



This preview shows how black text looks on a background with the XYZ color 34.5755, 36.3348, 83.7883.



This preview shows how white text looks on a background with the XYZ color 34.5755, 36.3348,

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

34.5755, 36.3348, 83.7883

Protanopia

37.4963, 36.0849, 79.8517

Deuteranopia

37.2453, 36.3712, 84.4142



Tritanopia

28.6351, 36.4579, 53.6720

Trichromacy



Original Color

34.5755, 36.3348, 83.7883

Protanomaly

36.3879, 36.2561, 81.4242

Deuteranomaly

36.2636, 36.3881, 84.4692

Tritanomaly

30.6124, 36.3942, 63.8039

Monochromacy



Original Color

34.5755, 36.3348, 83.7883

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.8090, 34.0477, 50.7943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5755, 36.3348, 83.7883 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(106, 166, 235)` looks like.

```
.text, #text, p{  
    color:rgb(106, 166, 235)  
}
```

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(106, 166, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 166, 235) }
```

Border

The CSS property to change the border of an element to XYZ 34.5755, 36.3348, 83.7883 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(106, 166, 235) }
```


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

```
.border{ border-color:rgb(106, 166, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 166, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 166, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 166, 235);  
box-shadow:4px 4px 4px 4px rgb(106, 166,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5755, 36.3348, 83.7883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 166, 235) }
```

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

```
.background{ background-color: rgb(106,  
166, 235) }
```

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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