

Converting Colors

XYZ(34.2459, 40.3479, 74.9275)

Have a look what the booklet for
XYZ(34.2459, 40.3479, 74.9275)
contains.

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Color

**XYZ(34.3299, 40.4032,
75.0965)**

Conversions

Conversions Part 1

Format	Color
Hex	60B4DE
RGB	96, 180, 222
RGB Percent	38%, 71%, 87%
CMY	0.6235, 0.2941, 0.1294
CMYK	0.57, 0.19, 0.00, 0.13
HSL	200°, 66%, 62%
HSV	200°, 57%, 87%
XYZ	34.3299, 40.4032, 75.0965
YIQ	159.6720, -63.5460, -4.7460

Conversions

Conversions Part 2

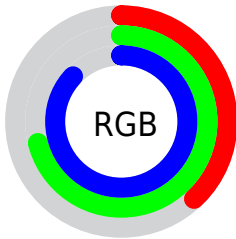
Format	Color
R _Y B	96, 146, 222
Decimal	6337758
CIE Lab	69.76, -13.56, -28.85
CIE LCh	70, 31.877, 244.832
Yxy	40.4032, 0.2291, 0.2697
Android (android.graphics.Color)	4284527838 (0xFF60B4DE)
YUV	159.6720, 30.7277, -55.8403
Hunter-Lab	63.5635, -14.8304, -25.5531

Details

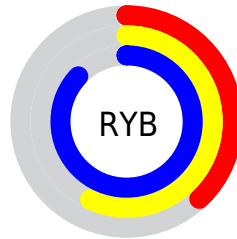
The XYZ color **34.3299, 40.4032, 75.0965** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.3252, 34.5526, 15.5590**, and the grayscale version is **33.1481, 34.8744, 37.9782**.

A 20% lighter version of the original color is **61.5630, 74.1795, 105.6811**, and **14.9411, 18.1630, 39.2775** is the 20% darker color. If you saturate the color by 10%, you get **30.8615, 36.4571, 74.5184**, and if you desaturate by 10%, it is **38.5401, 44.8517, 75.7340**.

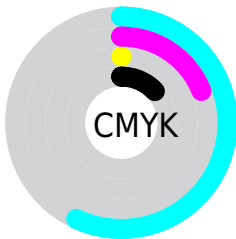
Distribution



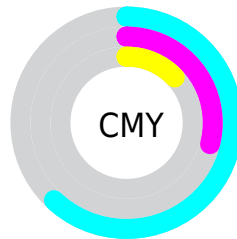
- Red (38%)
- Green (71%)
- Blue (87%)



- Red (38%)
- Yellow (57%)
- Blue (87%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (62%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3299, 40.4032, 75.0965 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 34.3299, 40.4032, 75.0965 by changing the saturation by 10% instead.

■ 34.3299, 40.4032,
75.0965

■ 34.3299, 40.4032,
75.0965

313.1607,
347.8201, 497.5135

■ 23.3112, 27.8531,
55.1897

■ 65.7873, 75.7771,
128.1973

■ 14.9455, 18.2149,
39.1540

■ 86.9567, 99.3696,
162.2284

■ 8.8672, 11.1044,
26.5708

■ 112.2404,
127.4118, 201.8048

■ 4.7111, 6.1371,
17.0216

■ 142.0037,
160.2879, 247.3449

■ 2.1118, 2.9286,
10.0878

176.6120,
198.3824, 299.2672

■ 0.6956, 1.0946,
5.3508

216.4307,

■ 0.0000, 0.0000,

242.0797, 357.9904

2.3922

261.8252,
291.7641, 423.9330

■ 0.0000, 0.0000,
0.7822

■ 0.0000, 0.0000,
0.0000

■ 34.3299, 40.4032,
75.0965

■ 34.3299, 40.4032,
75.0965

■ 30.8615, 36.4571,
74.5184

■ 38.5401, 44.8517,
75.7340

■ 28.0726, 32.9770,
73.9937

■ 43.5397, 49.8267,
76.4308

■ 25.8964, 29.9275,
73.5198

■ 49.3769, 55.3553,
77.1902

■ 24.2458, 27.2618,
73.0922

■ 56.0945, 61.4615,
78.0148

■ 23.7750, 26.4540,
72.9611

■ 63.7325, 68.1675,
78.9066

■ 72.3281, 75.4942,
79.8678

■ 81.9165, 83.4612,
80.9002

■ 85.3510, 88.3860,
81.6698

■ 87.5645, 92.8130,
82.4076

Harmonies

Analogous

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



30.8106, 40.4032, 62.3276



34.3299, 40.4032, 75.0965



39.2450, 40.4032, 78.8719

Triad

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



34.3299, 40.4032, 75.0965



49.1770, 40.4032, 41.6387



33.0023, 40.4032, 24.5259

Complementary

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



34.3299, 40.4032, 75.0965



41.3252, 34.5526, 15.5590

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.



37.5712, 40.4032, 21.2945



34.3299, 40.4032, 75.0965



47.1481, 40.4032, 29.6594

Square

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



34.3299, 40.4032, 75.0965



48.1141, 40.4032, 57.2362



42.7841, 40.4032, 22.9380



30.0936, 40.4032, 32.9671

Rectangle

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



34.3299, 40.4032, 75.0965



42.7273, 40.4032, 75.1973



42.7841, 40.4032, 22.9380



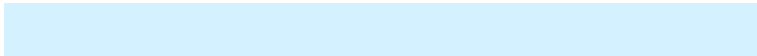
34.3789, 40.4032, 22.8923

Sweetspot

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



34.3312, 40.4047, 75.0975



76.4228, 83.8096, 106.7567



35.5338, 56.5654, 33.0918



15.9398, 17.5638, 22.8000



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.



34.3312, 40.4047, 75.0975



41.5067, 49.0193, 101.8818



24.3713, 20.4849, 71.7775



13.7116, 14.7623, 17.5144



14.2278, 15.9252, 43.3723



1.0675, 1.2664, 3.0334

Inverse Universe

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



42.5464, 27.1920, 46.1876



54.3282, 31.2748, 56.1167



53.1232, 58.1486, 19.4917



14.0906, 13.8539, 16.2475



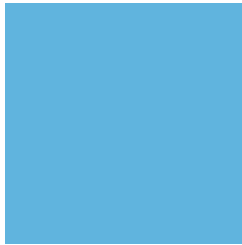
21.1217, 10.5157, 17.8387



1.5051, 0.7453, 1.4525

Previews

White Background



This preview shows how the XYZ color 34.3299, 40.4032, 75.0965 looks on a white background.

Color Contrast Check

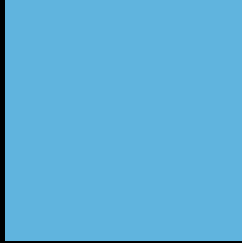
Large Text (above 18pt) WCAG AA × Fail

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 34.3299, 40.4032, 75.0965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

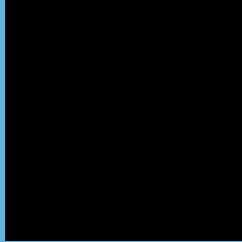
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3299, 40.4032, 75.0965

Background



This preview shows how black text looks on a background with the XYZ color 34.3299, 40.4032, 75.0965.



This preview shows how white text looks on a background with the XYZ color 34.3299, 40.4032,

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

34.3299, 40.4032, 75.0965

Protanopia

40.1134, 40.0785, 68.5725

Deuteranopia

40.9269, 40.0422, 76.8060



Tritanopia

31.3798, 40.4307, 60.1829

Trichromacy



Original Color

34.3299, 40.4032, 75.0965

Protanomaly

37.1389, 39.6138, 70.6545

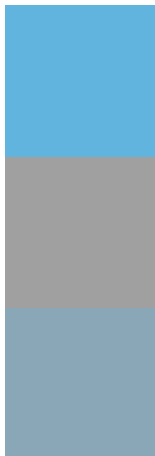
Deuteranomaly

38.0386, 39.9552, 76.2283

Tritanomaly

32.4124, 40.5456, 65.1493

Monochromacy



Original Color

34.3299, 40.4032, 75.0965

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6825, 36.3747, 50.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3299, 40.4032, 75.0965 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(96, 180, 222)` looks like.

```
.text, #text, p{  
    color:rgb(96, 180, 222)  
}
```

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(96, 180, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 180, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.3299, 40.4032, 75.0965 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(96, 180, 222) }
```


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

```
.border{ border-color:rgb(96, 180, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 180, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 180, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 180, 222);  
box-shadow:4px 4px 4px 4px rgb(96, 180,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3299, 40.4032, 75.0965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 180, 222) }
```

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

```
.background{ background-color: rgb(96, 180,  
222) }
```

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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