

Converting Colors

XYZ(34.3618, 43.1509, 63.6446)

Have a look what the booklet for
XYZ(34.3618, 43.1509, 63.6446)
contains.

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Color

**XYZ(34.3618, 43.1509,
63.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	66BCCC
RGB	102, 188, 204
RGB Percent	40%, 74%, 80%
CMY	0.6000, 0.2627, 0.2000
CMYK	0.50, 0.08, 0.00, 0.20
HSL	189°, 50%, 60%
HSV	189°, 50%, 80%
XYZ	34.3618, 43.1509, 63.6446
YIQ	164.1100, -56.3920, -13.2560

Conversions

Conversions Part 2

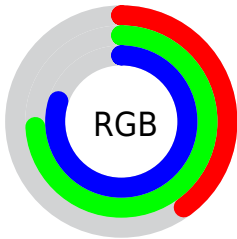
Format	Color
R _{YB}	102, 149, 204
Decimal	6733004
CIE _{Lab}	71.66, -21.64, -16.09
CIE _{LCh}	72, 26.968, 216.629
Y _{xy}	43.1509, 0.2434, 0.3057
Android (android.graphics.Color)	4284923084 (0xFF66BCCC)
YUV	164.1100, 19.6658, -54.4705
Hunter-Lab	65.6893, -21.5838, -11.4619

Details

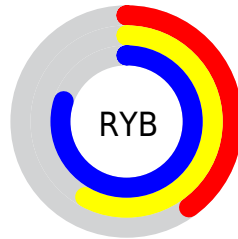
The XYZ color **34.3618, 43.1509, 63.6446** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7794, 26.7544, 15.9553**, and the grayscale version is **35.2687, 37.1054, 40.4078**.

A 20% lighter version of the original color is **64.6988, 79.2923, 106.5027**, and **15.0441, 19.9811, 31.9180** is the 20% darker color. If you saturate the color by 10%, you get **31.6525, 40.7516, 63.3251**, and if you desaturate by 10%, it is **37.6578, 45.8770, 63.9979**.

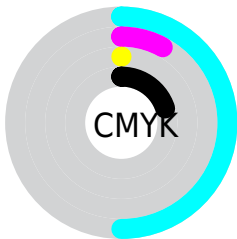
Distribution



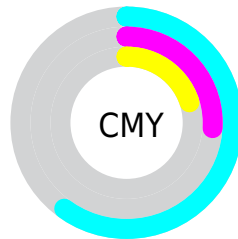
- Red (40%)
- Green (74%)
- Blue (80%)



- Red (40%)
- Yellow (58%)
- Blue (80%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3618, 43.1509, 63.6446 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 34.3618, 43.1509, 63.6446 by changing the saturation by 10% instead.

■ 34.3618, 43.1509,
63.6446

■ 34.3618, 43.1509,
63.6446

313.2999,
359.2320, 456.0773

■ 23.3359, 30.0035,
45.9185

■ 65.8365, 79.9385,
111.6935

■ 14.9638, 19.8413,
31.8333

■ 87.0159, 104.3476,
142.8534

■ 8.8801, 12.2797,
20.9705

■ 112.3106,
133.2793, 179.3283

■ 4.7196, 6.9345,
12.9114

■ 142.0859,
167.1181, 221.5368

■ 2.1167, 3.4212,
7.2375

176.7071,
206.2484, 269.8974

■ 0.6983, 1.3554,
3.5304

216.5396,

■ 0.0000, 0.1835,

251.0545, 324.8287

1.3714

261.9487,
301.9209, 386.7491

■ 0.0000, 0.0000,
0.1193

■ 0.0000, 0.0000,
0.0000

■ 34.3618, 43.1509,
63.6446

■ 34.3618, 43.1509,
63.6446

■ 31.6525, 40.7516,
63.3251

■ 37.6578, 45.8770,
63.9979

■ 29.4832, 38.6521,
63.0342


■ 41.5747, 48.9450,
64.3836


■ 27.8068, 36.8289,
62.7706


■ 46.1488, 52.3745,
64.8045


■ 26.5658, 35.2522,
62.5317


■ 51.4124, 56.1824,
65.2620


 25.6527, 33.8665,
62.3123

 57.3958, 60.3844,
65.7577

 25.6525, 33.8663,
62.3123

 64.1271, 64.9952,
66.2929

 71.6333, 70.0287,
66.8689

 76.0849, 73.5111,
67.3064

 76.9007, 75.1427,
67.5784

Harmonies

Analogous

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



32.8940, 43.1509, 49.9478



34.3618, 43.1509, 63.6446



37.6276, 43.1509, 74.0604

Triad

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



34.3618, 43.1509, 63.6446



49.6151, 43.1509, 57.6840



40.0081, 43.1509, 26.1672

Complementary

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



34.3618, 43.1509, 63.6446



33.7794, 26.7544, 15.9553

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.



44.5969, 43.1509, 27.4713



34.3618, 43.1509, 63.6446



50.3702, 43.1509, 44.1398

Square

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



34.3618, 43.1509, 63.6446



46.4797, 43.1509, 70.1969



48.4729, 43.1509, 33.5186



35.9938, 43.1509, 29.5520

Rectangle

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



34.3618, 43.1509, 63.6446



40.4994, 43.1509, 76.8302



48.4729, 43.1509, 33.5186



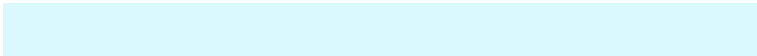
41.5322, 43.1509, 26.0829

Sweetspot

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



34.3631, 43.1525, 63.6456



80.4669, 89.6851, 107.6776



30.3019, 47.3029, 24.4568



16.8316, 18.9118, 23.0132



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.



34.3631, 43.1525, 63.6456



52.1060, 67.1979, 104.8320



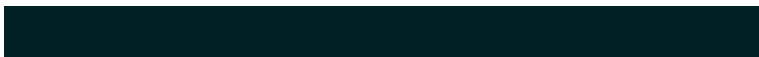
25.4252, 25.2767, 60.6663



11.3876, 12.4156, 14.3666



16.2020, 21.4279, 39.2383



0.8772, 1.1881, 2.0380

Inverse Universe

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



38.7314, 25.9722, 50.5505



60.4155, 36.5324, 79.4702



41.3592, 41.9140, 18.4819



11.6090, 11.3723, 13.7416



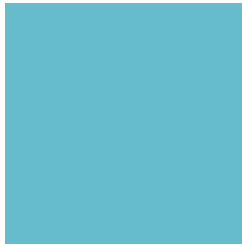
20.3889, 9.9662, 25.5644



1.0727, 0.5225, 1.4287

Previews

White Background



This preview shows how the XYZ color 34.3618, 43.1509, 63.6446 looks on a white background.

Color Contrast Check

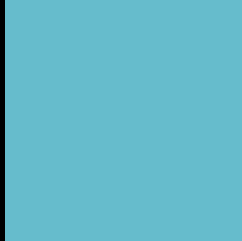
Large Text (above 18pt) WCAG AA × Fail

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 34.3618, 43.1509, 63.6446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

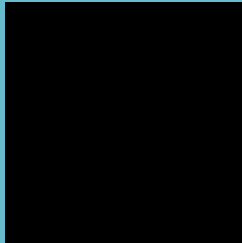
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3618, 43.1509, 63.6446

Background



This preview shows how black text looks on a background with the XYZ color 34.3618, 43.1509, 63.6446.



This preview shows how white text looks on a background with the XYZ color 34.3618, 43.1509,

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

34.3618, 43.1509, 63.6446

Protanopia

41.6944, 42.5528, 57.0549

Deuteranopia

43.6273, 42.7938, 65.6351



Tritanopia

34.2422, 43.1030, 63.0149

Trichromacy



Original Color

34.3618, 43.1509, 63.6446

Protanomaly

38.1461, 42.1211, 59.5457

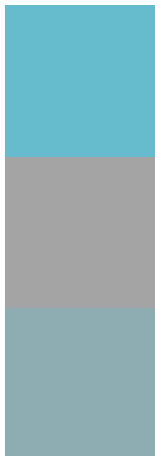
Deuteranomaly

39.1974, 42.2452, 65.1197

Tritanomaly

34.2422, 43.1030, 63.0149

Monochromacy



Original Color

34.3618, 43.1509, 63.6446

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.0648, 38.8045, 48.3424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3618, 43.1509, 63.6446 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(102, 188, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 204)  
}
```

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(102, 188, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.3618, 43.1509, 63.6446 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(102, 188, 204) }
```


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

```
.border{ border-color:rgb(102, 188, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 188, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3618, 43.1509, 63.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 204) }
```

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

```
.background{ background-color: rgb(102,  
188, 204) }
```

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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