

Converting Colors

XYZ(34.9771, 44.4125, 62.9437)

Have a look what the booklet for
XYZ(34.9771, 44.4125, 62.9437)
contains.

XYZ(35.0038, 44.4570, 63.2361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0038, 44.4570,
63.2361)**

Conversions

Conversions Part 1

Format	Color
Hex	67BFCB
RGB	103, 191, 203
RGB Percent	40%, 75%, 80%
CMY	0.5961, 0.2510, 0.2039
CMYK	0.49, 0.06, 0.00, 0.20
HSL	187°, 49%, 60%
HSV	187°, 49%, 80%
XYZ	35.0038, 44.4570, 63.2361
YIQ	166.0560, -56.3000, -14.9240

Conversions

Conversions Part 2

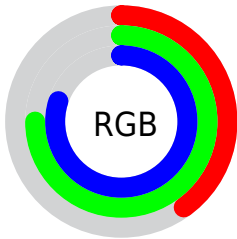
Format	Color
RYB	103, 150, 203
Decimal	6799307
CIELab	72.53, -23.21, -14.22
CIELCh	73, 27.223, 211.496
Yxy	44.4570, 0.2453, 0.3115
Android (android.graphics.Color)	4284989387 (0xFF67BFCB)
YUV	166.0560, 18.2134, -55.3001
Hunter-Lab	66.6761, -22.9737, -9.5578

Details

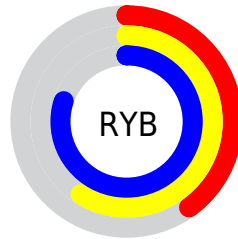
The XYZ color **35.0038, 44.4570, 63.2361** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2083, 25.9380, 16.0893**, and the grayscale version is **36.2080, 38.0936, 41.4840**.

A 20% lighter version of the original color is **66.1146, 81.8284, 106.9176**, and **15.2849, 20.5327, 31.5914** is the 20% darker color. If you saturate the color by 10%, you get **32.4256, 42.3469, 62.9655**, and if you desaturate by 10%, it is **38.1588, 46.8796, 63.5382**.

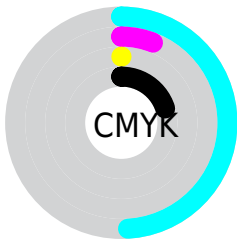
Distribution



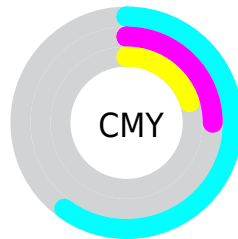
- Red (40%)
- Green (75%)
- Blue (80%)



- Red (40%)
- Yellow (59%)
- Blue (80%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0038, 44.4570, 63.2361 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 35.0038, 44.4570, 63.2361 by changing the saturation by 10% instead.

35.0038, 44.4570,
63.2361

35.0038, 44.4570,
63.2361

316.0928,
364.5699, 454.5573

23.8323, 31.0299,
45.5900

66.8256, 81.9050,
111.0989

15.3334, 20.6217,
31.5761

88.2067, 106.6947,
142.1527

9.1415, 12.8477,
20.7758

113.7217,
136.0407, 178.5129

4.8914, 7.3238,
12.7706

143.7360,
170.3275, 220.5979

2.2178, 3.6654,
7.1419

178.6149,
209.9394, 268.8263

0.7521, 1.4882,
3.4712

218.7237,

0.0000, 0.2804,

255.2609, 323.6166

1.3400

264.4279,
306.6762, 385.3875

■ 0.0000, 0.0000,
0.0942

■ 0.0000, 0.0000,
0.0000

■ 35.0038, 44.4570,
63.2361

■ 35.0038, 44.4570,
63.2361

■ 32.4256, 42.3469,
62.9655

■ 38.1588, 46.8796,
63.5382

■ 30.3784, 40.5225,
62.7212

■ 41.9239, 49.6289,
63.8704

■ 28.8162, 38.9612,
62.5022

■ 46.3349, 52.7244,
64.2354

■ 27.6831, 37.6340,
62.3058

■ 51.4234, 56.1825,
64.6347

■ 26.8835, 36.4916,
62.1274

■ 57.2190, 60.0184,
65.0697

■ 26.8286, 36.4097,
62.1145

■ 63.7495, 64.2467,
65.5416

■ 71.0413, 68.8809,
66.0518

■ 75.1871, 71.9068,
66.4173

■ 75.7949, 73.1224,
66.6199

Harmonies

Analogous

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



33.8445, 44.4570, 49.0853



35.0038, 44.4570, 63.2361



38.0848, 44.4570, 74.9183

Triad

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



35.0038, 44.4570, 63.2361



50.7104, 44.4570, 61.8472



42.0195, 44.4570, 26.8579

Complementary

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



35.0038, 44.4570, 63.2361



33.2083, 25.9380, 16.0893

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.



46.7192, 44.4570, 29.0276



35.0038, 44.4570, 63.2361



51.9549, 44.4570, 47.7333

Square

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



35.0038, 44.4570, 63.2361



47.1577, 44.4570, 74.0175



50.4443, 44.4570, 36.0974



37.7046, 44.4570, 29.5110

Rectangle

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



35.0038, 44.4570, 63.2361



40.9318, 44.4570, 78.8031



50.4443, 44.4570, 36.0974



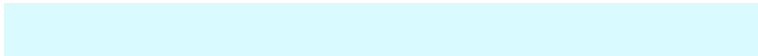
43.6065, 44.4570, 27.0446

Sweetspot

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



35.0052, 44.4587, 63.2372



80.9044, 90.5601, 107.8235



30.0258, 46.8265, 23.5763



16.9380, 19.1246, 23.0486



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.



35.0052, 44.4587, 63.2372



54.0922, 70.7346, 105.4099



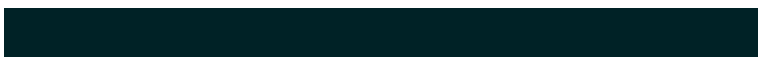
25.9482, 26.3448, 60.2182



11.4239, 12.4883, 14.3787



17.1177, 23.2595, 39.5436



0.9163, 1.2663, 2.0511

Inverse Universe

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



38.8840, 26.1598, 52.2920



61.5244, 37.3831, 84.0543



40.4729, 40.4671, 18.5108



11.6273, 11.3797, 13.8382



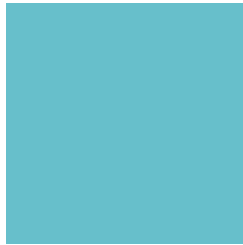
20.8512, 10.1510, 27.9985



1.0924, 0.5304, 1.5326

Previews

White Background



This preview shows how the XYZ color 35.0038, 44.4570, 63.2361 looks on a white background.

Color Contrast Check

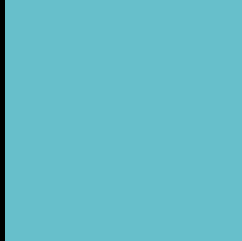
Large Text (above 18pt) WCAG AA × Fail

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 35.0038, 44.4570, 63.2361 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 35.0038, 44.4570, 63.2361

Background



This preview shows how black text looks on a background with the XYZ color 35.0038, 44.4570, 63.2361.



This preview shows how white text looks on a background with the XYZ color 35.0038, 44.4570,

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

35.0038, 44.4570, 63.2361

Protanopia

42.8302, 44.0149, 56.6904

Deuteranopia

45.0284, 44.0954, 65.1695



Tritanopia

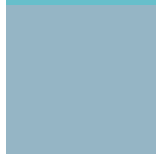
35.4803, 44.6609, 65.1429

Trichromacy



Original Color

35.0038, 44.4570, 63.2361



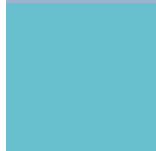
Protanomaly

38.9963, 43.4685, 59.1583



Deuteranomaly

40.4107, 43.7741, 64.7119



Tritanomaly

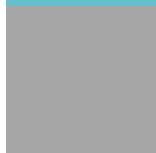
35.3592, 44.6124, 64.5050

Monochromacy



Original Color

35.0038, 44.4570, 63.2361



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.7943, 39.7543, 48.4873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0038, 44.4570, 63.2361 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(103, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(103, 191, 203)  
}
```

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(103, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 191, 203) }
```

Border

The CSS property to change the border of an element to XYZ 35.0038, 44.4570, 63.2361 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(103, 191, 203) }
```


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

```
.border{ border-color:rgb(103, 191, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(103, 191,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0038, 44.4570, 63.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 191, 203) }
```

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

```
.background{ background-color: rgb(103,  
191, 203) }
```

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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