

Converting Colors

XYZ(35.3670, 37.5564, 69.9900)

Have a look what the booklet for
XYZ(35.3670, 37.5564, 69.9900)
contains.

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Color

**XYZ(35.3216, 37.5787,
69.6817)**

Conversions

Conversions Part 1

Format	Color
Hex	81A8D7
RGB	129, 168, 215
RGB Percent	51%, 66%, 84%
CMY	0.4941, 0.3412, 0.1569
CMYK	0.40, 0.22, 0.00, 0.16
HSL	213°, 52%, 67%
HSV	213°, 40%, 84%
XYZ	35.3216, 37.5787, 69.6817
YIQ	161.6970, -38.3310, 6.3490

Conversions

Conversions Part 2

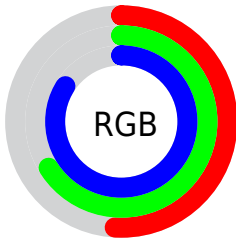
Format	Color
R_{YB}	129, 156, 215
Decimal	8497367
CIE _{Lab}	67.71, -1.34, -28.03
CIE _{LCh}	68, 28.058, 267.267
Yxy	37.5787, 0.2477, 0.2636
Android (android.graphics.Color)	4286687447 (0xFF81A8D7)
YUV	161.6970, 26.2784, -28.6753
Hunter-Lab	61.3015, -4.4268, -24.4842

Details

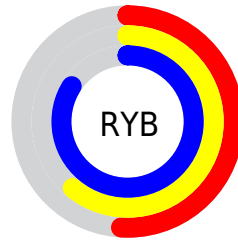
The XYZ color **35.3216, 37.5787, 69.6817** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.5129, 47.0835, 27.3539**, and the grayscale version is **34.0959, 35.8716, 39.0642**.

A 20% lighter version of the original color is **64.4453, 70.3096, 104.7822**, and **15.4922, 16.5247, 35.6308** is the 20% darker color. If you saturate the color by 10%, you get **30.3210, 31.9254, 68.8547**, and if you desaturate by 10%, it is **41.2078, 43.9811, 70.6079**.

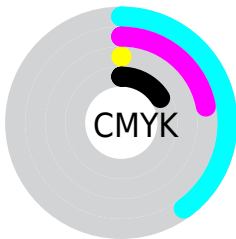
Distribution



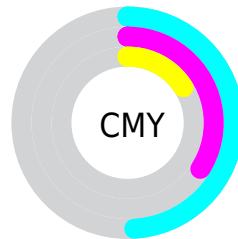
- Red (51%)
- Green (66%)
- Blue (84%)



- Red (51%)
- Yellow (61%)
- Blue (84%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3216, 37.5787, 69.6817 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 35.3216, 37.5787, 69.6817 by changing the saturation by 10% instead.

■ 35.3216, 37.5787,
69.6817

■ 35.3216, 37.5787,
69.6817

317.4688,
335.8092, 478.1905

■ 24.0784, 25.6559,
50.7919

■ 67.3144, 71.4619,
120.4316

■ 15.5168, 16.5664,
35.6674

■ 88.7947, 94.1911,
153.1287

■ 9.2716, 9.9258,
23.8898

■ 114.4181,
121.2912, 191.2654

■ 4.9773, 5.3498,
15.0404

144.5500,
153.1466, 235.2601

■ 2.2685, 2.4539,
8.7008

179.5556,
190.1418, 285.5315

■ 0.7785, 0.8534,
4.4524

219.8004,

■ 0.0000, 0.0000,

232.6610, 342.4979

1.8767

265.6497,
281.0887, 406.5781

■ 0.0000, 0.0000,
0.4778

■ 0.0000, 0.0000,
0.0000

■ 35.3216, 37.5787,
69.6817

■ 35.3216, 37.5787,
69.6817

■ 30.3210, 31.9254,
68.8547

■ 41.2078, 43.9811,
70.6079

■ 26.1536, 26.9843,
68.1207

■ 48.0206, 51.1587,
71.6343

■ 22.7669, 22.7209,
67.4762

■ 55.8025, 59.1414,
72.7649

■ 20.1001, 19.0956,
66.9170

■ 64.5924, 67.9562,
74.0031

■ 18.0816, 16.0628,
66.4380

■ 74.4269, 77.6284,
75.3517

■ 16.5873, 13.5492,
66.0316

■ 84.2268, 87.6083,
76.7615

■ 16.5871, 13.5488,
66.0316

■ 87.7699, 94.6944,
77.9425

■ 89.2659, 97.6863,
78.4411

Harmonies

Analogous

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



31.3986, 37.5787, 64.4527



35.3216, 37.5787, 69.6817



39.6725, 37.5787, 66.0055

Triad

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



35.3216, 37.5787, 69.6817



43.6478, 37.5787, 30.9288



29.1566, 37.5787, 29.3221

Complementary

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



35.3216, 37.5787, 69.6817



47.5129, 47.0835, 27.3539

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.



32.0344, 37.5787, 23.1593



35.3216, 37.5787, 69.6817



40.4151, 37.5787, 23.9466

Square

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



35.3216, 37.5787, 69.6817



44.7037, 37.5787, 42.0652



36.1162, 37.5787, 21.4094



28.0241, 37.5787, 39.7895

Rectangle

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



35.3216, 37.5787, 69.6817



42.1941, 37.5787, 59.3405



36.1162, 37.5787, 21.4094



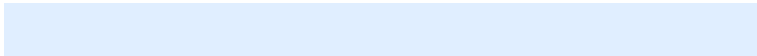
29.9399, 37.5787, 26.7657

Sweetspot

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



35.3228, 37.5801, 69.6826



79.5698, 84.4418, 106.7129



41.0794, 56.3587, 49.2031



16.6988, 17.7348, 22.7930



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.



35.3228, 37.5801, 69.6826



45.6661, 48.1866, 101.5018



29.6120, 25.5028, 67.6524



12.2018, 12.9270, 15.7896



10.0240, 8.3097, 39.5288



0.6867, 0.6654, 2.4115

Inverse Universe

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



42.9435, 32.9759, 41.1489



58.6616, 41.5612, 52.5683



55.4535, 64.2035, 30.2399



12.6551, 12.5135, 14.1238



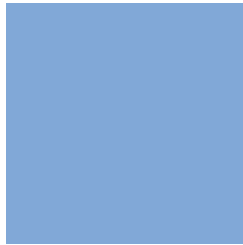
18.1185, 9.1837, 7.9280



1.1343, 0.5705, 0.6964

Previews

White Background



This preview shows how the XYZ color 35.3216, 37.5787, 69.6817 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 35.3216, 37.5787, 69.6817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

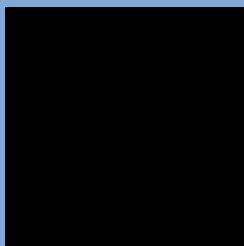
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

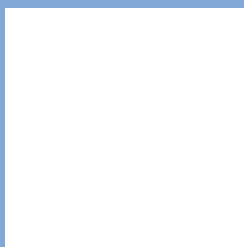
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3216, 37.5787, 69.6817

Background



This preview shows how black text looks on a background with the XYZ color 35.3216, 37.5787, 69.6817.

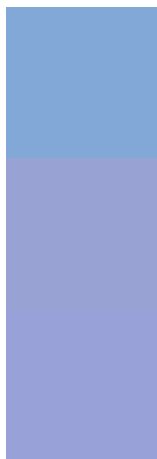


This preview shows how white text looks on a background with the XYZ color 35.3216, 37.5787,

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

35.3216, 37.5787, 69.6817

Protanopia

37.8040, 37.5729, 66.8878

Deuteranopia

38.2639, 37.4739, 70.1822



Tritanopia

31.9393, 37.6126, 52.5903

Trichromacy



Original Color

35.3216, 37.5787, 69.6817

Protanomaly

36.8404, 37.5930, 67.6018

Deuteranomaly

37.1717, 37.4381, 70.2329

Tritanomaly

33.0984, 37.5170, 58.3204

Monochromacy



Original Color

35.3216, 37.5787, 69.6817

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1936, 36.3711, 48.9342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3216, 37.5787, 69.6817 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(129, 168, 215)` looks like.

```
.text, #text, p{  
    color:rgb(129, 168, 215)  
}
```

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(129, 168, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 168, 215) }
```

Border

The CSS property to change the border of an element to XYZ 35.3216, 37.5787, 69.6817 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(129, 168, 215) }
```


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

```
.border{ border-color:rgb(129, 168, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 168, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 168, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 168, 215);  
box-shadow:4px 4px 4px 4px rgb(129, 168,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3216, 37.5787, 69.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 168, 215) }
```

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

```
.background{ background-color: rgb(129,  
168, 215) }
```

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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