

Converting Colors

XYZ(35.5340, 37.9286, 66.8207)

Have a look what the booklet for
XYZ(35.5340, 37.9286, 66.8207)
contains.

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Color

**XYZ(35.6187, 38.0656,
67.0981)**

Conversions

Conversions Part 1

Format	Color
Hex	85A9D3
RGB	133, 169, 211
RGB Percent	52%, 66%, 83%
CMY	0.4784, 0.3372, 0.1725
CMYK	0.37, 0.20, 0.00, 0.17
HSL	212°, 47%, 67%
HSV	212°, 37%, 83%
XYZ	35.6187, 38.0656, 67.0981
YIQ	163.0240, -34.9380, 5.4300

Conversions

Conversions Part 2

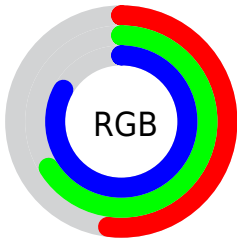
Format	Color
RYB	133, 158, 211
Decimal	8759763
CIELab	68.07, -1.88, -25.25
CIElCh	68, 25.319, 265.732
Yxy	38.0656, 0.2530, 0.2704
Android (android.graphics.Color)	4286949843 (0xFF85A9D3)
YUV	163.0240, 23.6522, -26.3310
Hunter-Lab	61.6973, -4.9199, -21.2919

Details

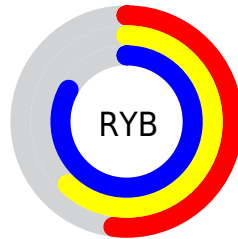
The XYZ color **35.6187, 38.0656, 67.0981** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.4284, 46.2031, 28.6626**, and the grayscale version is **34.7288, 36.5374, 39.7892**.

A 20% lighter version of the original color is **65.4447, 71.2227, 104.9058**, and **15.6703, 16.8284, 33.8748** is the 20% darker color. If you saturate the color by 10%, you get **30.5936, 32.4732, 66.2842**, and if you desaturate by 10%, it is **41.4991, 44.3732, 68.0063**.

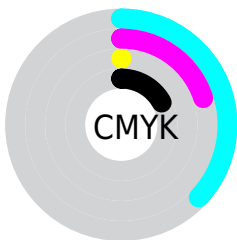
Distribution



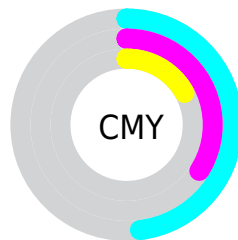
- Red (52%)
- Green (66%)
- Blue (83%)



- Red (52%)
- Yellow (62%)
- Blue (83%)



- Cyan (37%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6187, 38.0656, 67.0981 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 35.6187, 38.0656, 67.0981 by changing the saturation by 10% instead.

■ 35.6187, 38.0656,
67.0981

■ 35.6187, 38.0656,
67.0981

318.7513,
337.9013, 468.8049

■ 24.3086, 26.0336,
48.7023

■ 67.7709, 72.2087,
116.7029

■ 15.6887, 16.8488,
34.0194

■ 89.3436, 95.0885,
148.7490

■ 9.3936, 10.1267,
22.6310

■ 115.0680,
122.3532, 186.1823

■ 5.0579, 5.4831,
14.1186

145.3093,
154.3869, 229.4212

■ 2.3164, 2.5334,
8.0635

180.4329,
191.5742, 278.8844

■ 0.8030, 0.8933,
4.0472

220.8042,

■ 0.0000, 0.0000,

234.2995, 334.9904

1.6513

266.7886,
282.9470, 398.1577

■ 0.0000, 0.0000,
0.3270

■ 0.0000, 0.0000,
0.0000

■ 35.6187, 38.0656,
67.0981

■ 35.6187, 38.0656,
67.0981

■ 30.5936, 32.4732,
66.2842

■ 41.4991, 44.3732,
68.0063

■ 26.3751, 27.5616,
65.5585

■ 48.2724, 51.4197,
69.0095

■ 22.9151, 23.2995,
64.9182

■ 55.9786, 59.2328,
70.1114

■ 20.1578, 19.6509,
64.3593

■ 64.6538, 67.8375,
71.3150

■ 18.0392, 16.5747,
63.8772

■ 74.3321, 77.2572,
72.6231

■ 16.4758, 14.0197,
63.4664

■ 83.3319, 86.6310,
73.9581

■ 16.0685, 13.3242,
63.3536

■ 86.7295, 93.4262,
75.0906

■ 88.7580, 97.4832,
75.7668

Harmonies

Analogous

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



32.0758, 38.0656, 62.1118



35.6187, 38.0656, 67.0981



39.5737, 38.0656, 64.2529

Triad

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



35.6187, 38.0656, 67.0981



43.4510, 38.0656, 32.7144



30.2678, 38.0656, 30.3808

Complementary

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



35.6187, 38.0656, 67.0981



46.4284, 46.2031, 28.6626

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.



32.9865, 38.0656, 24.7986



35.6187, 38.0656, 67.0981



40.6206, 38.0656, 25.9642

Square

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



35.6187, 38.0656, 67.0981



44.2822, 38.0656, 43.0846



36.7476, 38.0656, 23.3416



29.1322, 38.0656, 39.8514

Rectangle

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



35.6187, 38.0656, 67.0981



41.8871, 38.0656, 58.5312



36.7476, 38.0656, 23.3416



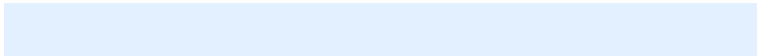
31.0168, 38.0656, 28.0597

Sweetspot

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



35.6199, 38.0671, 67.0990



80.8424, 85.8019, 106.9083



40.6668, 54.6554, 48.7591



16.9559, 18.0128, 22.8331



0.0000, 0.0000, 0.0000



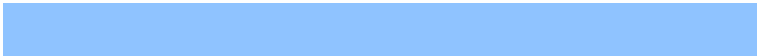
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.6199, 38.0671, 67.0990



48.7654, 51.8865, 102.0526



30.2351, 26.6803, 65.1849



11.6069, 12.3040, 15.0068



9.7975, 8.2415, 38.2669



0.6268, 0.6188, 2.1660

Inverse Universe

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



42.4140, 33.4897, 41.7663



60.8360, 44.7663, 56.8187



53.6537, 61.7507, 31.2828



12.0325, 11.8977, 13.4468



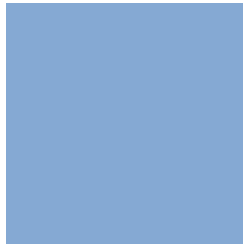
17.5760, 8.9033, 7.9395



1.0226, 0.5138, 0.6538

Previews

White Background



This preview shows how the XYZ color 35.6187, 38.0656, 67.0981 looks on a white background.

Color Contrast Check

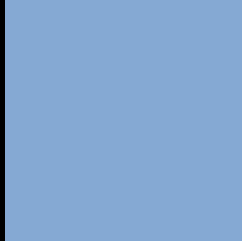
Large Text (above 18pt) WCAG AA × Fail

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 35.6187, 38.0656, 67.0981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

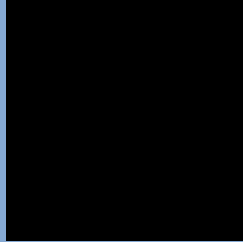
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

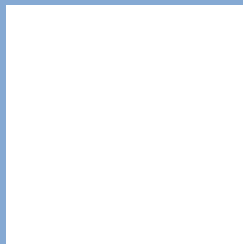
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6187, 38.0656, 67.0981

Background



This preview shows how black text looks on a background with the XYZ color 35.6187, 38.0656, 67.0981.



This preview shows how white text looks on a background with the XYZ color 35.6187, 38.0656,

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

35.6187, 38.0656, 67.0981

Protanopia

38.0555, 38.0245, 64.3652

Deuteranopia

38.7086, 37.7622, 67.5360



Tritanopia

32.6656, 37.9870, 52.6243

Trichromacy



Original Color

35.6187, 38.0656, 67.0981

Protanomaly

37.0540, 38.0295, 65.0620

Deuteranomaly

37.5515, 37.9596, 67.6351

Tritanomaly

33.7696, 38.1577, 57.8099

Monochromacy



Original Color

35.6187, 38.0656, 67.0981

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6422, 36.8810, 48.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6187, 38.0656, 67.0981 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(133, 169, 211)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 211)  
}
```

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(133, 169, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.6187, 38.0656, 67.0981 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(133, 169, 211) }
```


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

```
.border{ border-color:rgb(133, 169, 211) }
```

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

Here you see how a box with a 4 pixel rgb(133, 169, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 211);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6187, 38.0656, 67.0981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 211) }
```

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

```
.background{ background-color: rgb(133,  
169, 211) }
```

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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