

Converting Colors

XYZ(36.6588, 39.7089, 68.0198)

Have a look what the booklet for
XYZ(36.6588, 39.7089, 68.0198)
contains.

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Color

**XYZ(36.6588, 39.7089,
68.0198)**

Conversions

Conversions Part 1

Format	Color
Hex	86ADD4
RGB	134, 173, 212
RGB Percent	53%, 68%, 83%
CMY	0.4745, 0.3216, 0.1686
CMYK	0.37, 0.18, 0.00, 0.17
HSL	210°, 48%, 68%
HSV	210°, 37%, 83%
XYZ	36.6588, 39.7089, 68.0198
YIQ	165.7850, -35.7630, 3.8610

Conversions

Conversions Part 2

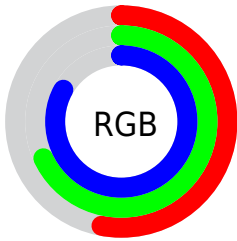
Format	Color
RYB	134, 160, 212
Decimal	8826324
CIELab	69.26, -3.55, -23.97
CIELCh	69, 24.229, 261.574
Yxy	39.7089, 0.2539, 0.2750
Android (android.graphics.Color)	4287016404 (0xFF86ADD4)
YUV	165.7850, 22.7840, -27.8754
Hunter-Lab	63.0150, -6.4344, -19.8885

Details

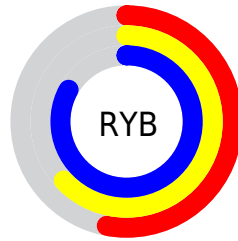
The XYZ color **36.6588, 39.7089, 68.0198** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.3990, 45.6065, 28.9132**, and the grayscale version is **36.0487, 37.9260, 41.3015**.

A 20% lighter version of the original color is **66.7797, 73.5256, 105.2799**, and **16.3165, 17.8584, 34.4853** is the 20% darker color. If you saturate the color by 10%, you get **31.6601, 34.2341, 67.2272**, and if you desaturate by 10%, it is **42.4987, 45.8585, 68.8997**.

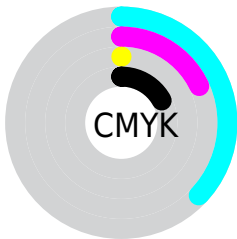
Distribution



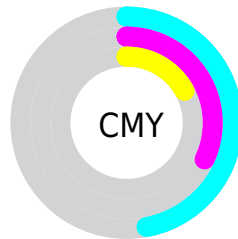
- Red (53%)
- Green (68%)
- Blue (83%)



- Red (53%)
- Yellow (63%)
- Blue (83%)



- Cyan (37%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (47%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6588, 39.7089, 68.0198 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 36.6588, 39.7089, 68.0198 by changing the saturation by 10% instead.

■ 36.6588, 39.7089,
68.0198

■ 36.6588, 39.7089,
68.0198

323.2122,
344.8951, 472.1661

■ 25.1159, 27.3117,
49.4471

■ 69.3649, 74.7200,
118.0349

■ 16.2926, 17.8074,
34.6061

■ 91.2589, 98.1027,
150.3144

■ 9.8236, 10.8118,
23.0785

■ 117.3339,
125.9160, 187.9999

■ 5.3435, 5.9404,
14.4457

147.9553,
158.5442, 231.5099

■ 2.4870, 2.8089,
8.2890

183.4885,
196.3719, 281.2630

■ 0.8887, 1.0328,
4.1900

224.2988,

■ 0.0000, 0.0000,

239.7833, 337.6777

1.7301

270.7516,
289.1629, 401.1726

■ 0.0000, 0.0000,
0.3813

■ 0.0000, 0.0000,
0.0000

■ 36.6588, 39.7089,
68.0198

■ 36.6588, 39.7089,
68.0198

■ 31.6601, 34.2341,
67.2272

■ 42.4987, 45.8585,
68.8997

■ 27.4542, 29.4011,
66.5160

■ 49.2168, 52.7047,
69.8671

■ 23.9937, 25.1804,
65.8837

■ 56.8525, 60.2739,
70.9256

■ 21.2234, 21.5377,
65.3267

■ 65.4415, 68.5895,
72.0780

■ 19.0796, 18.4341,
64.8406

■ 75.0176, 77.6737,
73.3267

■ 17.4807, 15.8209,
64.4205

■ 83.2931, 86.3520,
74.5656

■ 17.0380, 15.0619,
64.2973

■ 86.4465, 92.6590,
75.6168

■ 88.8838, 97.5335,
76.4292

Harmonies

Analogous

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



33.2902, 39.7089, 62.2404



36.6588, 39.7089, 68.0198



40.5540, 39.7089, 66.3204

Triad

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



36.6588, 39.7089, 68.0198



45.1184, 39.7089, 35.8420



32.1909, 39.7089, 31.2638

Complementary

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



36.6588, 39.7089, 68.0198



46.3990, 45.6065, 28.9132

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.



35.0633, 39.7089, 26.2467



36.6588, 39.7089, 68.0198



42.5743, 39.7089, 28.5573

Square

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



36.6588, 39.7089, 68.0198



45.6185, 39.7089, 46.4452



38.8466, 39.7089, 25.3488



30.8289, 39.7089, 40.1786

Rectangle

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



36.6588, 39.7089, 68.0198



42.9156, 39.7089, 61.2829



38.8466, 39.7089, 25.3488



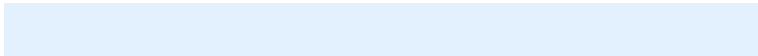
33.0021, 39.7089, 29.1337

Sweetspot

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



36.6601, 39.7104, 68.0207



81.1607, 86.4386, 107.0144



40.7938, 55.1233, 47.3699



17.0317, 18.1643, 22.8583



0.0000, 0.0000, 0.0000



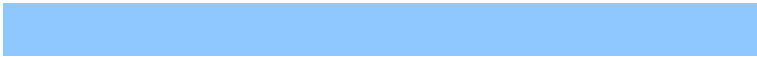
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6601, 39.7104, 68.0207



49.7436, 53.8429, 102.3787



30.4224, 27.2351, 65.9415



12.2505, 13.0244, 15.8058



10.6185, 9.4988, 39.7270



0.7232, 0.7385, 2.4237

Inverse Universe

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



43.2204, 34.0658, 43.8340



61.3297, 44.9638, 59.4188



54.6751, 62.1587, 31.6719



12.6796, 12.5233, 14.2531



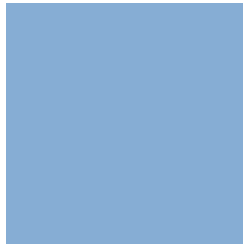
18.4186, 9.3038, 9.5083



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 36.6588, 39.7089, 68.0198 looks on a white background.

Color Contrast Check

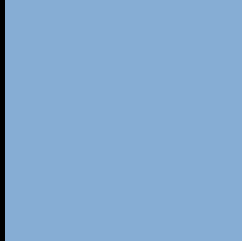
Large Text (above 18pt) WCAG AA × Fail

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 36.6588, 39.7089, 68.0198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

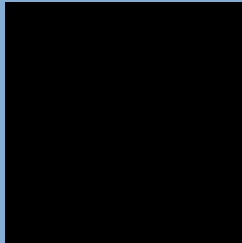
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

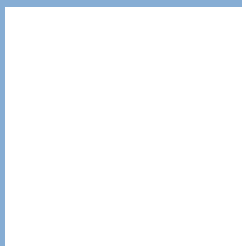
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6588, 39.7089, 68.0198

Background



This preview shows how black text looks on a background with the XYZ color 36.6588, 39.7089, 68.0198.

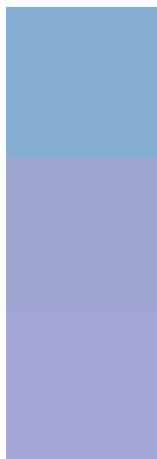


This preview shows how white text looks on a background with the XYZ color 36.6588, 39.7089,

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

36.6588, 39.7089, 68.0198

Protanopia

39.5020, 39.5624, 65.2288

Deuteranopia

40.4930, 39.4467, 69.0981



Tritanopia

34.1794, 39.8730, 55.1850

Trichromacy



Original Color

36.6588, 39.7089, 68.0198

Protanomaly

38.2743, 39.4634, 65.9215

Deuteranomaly

38.9618, 39.4848, 68.5186

Tritanomaly

35.1942, 39.9995, 59.8986

Monochromacy



Original Color

36.6588, 39.7089, 68.0198

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0616, 38.6649, 50.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6588, 39.7089, 68.0198 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(134, 173, 212)` looks like.

```
.text, #text, p{  
    color:rgb(134, 173, 212)  
}
```

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(134, 173, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 173, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.6588, 39.7089, 68.0198 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(134, 173, 212) }
```


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

```
.border{ border-color:rgb(134, 173, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 173, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 173, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 173, 212);  
box-shadow:4px 4px 4px 4px rgb(134, 173,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6588, 39.7089, 68.0198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 173, 212) }
```

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

```
.background{ background-color: rgb(134,  
173, 212) }
```

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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