

Converting Colors

XYZ(37.1131, 39.8641, 69.3793)

Have a look what the booklet for
XYZ(37.1131, 39.8641, 69.3793)
contains.

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Color

**XYZ(37.0728, 39.8931,
69.3645)**

Conversions

Conversions Part 1

Format	Color
Hex	87ADD6
RGB	135, 173, 214
RGB Percent	53%, 68%, 84%
CMY	0.4706, 0.3216, 0.1608
CMYK	0.37, 0.19, 0.00, 0.16
HSL	211°, 49%, 68%
HSV	211°, 37%, 84%
XYZ	37.0728, 39.8931, 69.3645
YIQ	166.3120, -35.8090, 4.6950

Conversions

Conversions Part 2

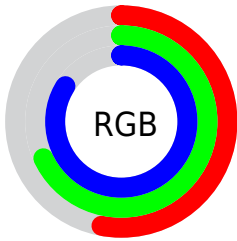
Format	Color
R _{YB}	135, 161, 214
Decimal	8891862
CIE Lab	69.39, -2.75, -24.86
CIE LCh	69, 25.012, 263.681
Yxy	39.8931, 0.2533, 0.2726
Android (android.graphics.Color)	4287081942 (0xFF87ADD6)
YUV	166.3120, 23.5102, -27.4606
Hunter-Lab	63.1610, -5.7598, -20.9006

Details

The XYZ color **37.0728, 39.8931, 69.3645** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.6307, 47.0966, 29.5029**, and the grayscale version is **36.2996, 38.1901, 41.5890**.

A 20% lighter version of the original color is **67.0286, 73.6540, 105.2916**, and **16.5751, 17.9718, 35.3962** is the 20% darker color. If you saturate the color by 10%, you get **31.9279, 34.2104, 68.5395**, and if you desaturate by 10%, it is **43.0894, 46.2897, 70.2828**.

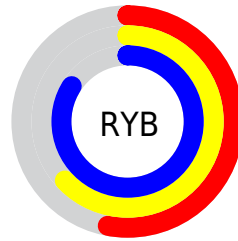
Distribution



Red (53%)

Green (68%)

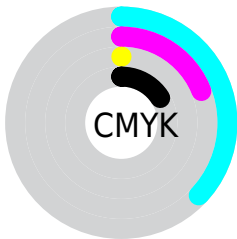
Blue (84%)



Red (53%)

Yellow (63%)

Blue (84%)

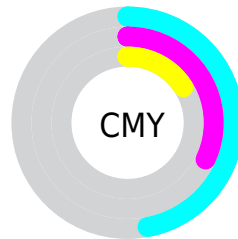


Cyan (37%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (47%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0728, 39.8931, 69.3645 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 37.0728, 39.8931, 69.3645 by changing the saturation by 10% instead.

■ 37.0728, 39.8931,
69.3645

■ 37.0728, 39.8931,
69.3645

324.9757,
345.6728, 477.0442

■ 25.4378, 27.4552,
50.5350

■ 69.9978, 75.0007,
119.9746

■ 16.5340, 17.9154,
35.4645

■ 92.0186, 98.4392,
152.5924

■ 9.9960, 10.8893,
23.7345

■ 118.2320,
126.3134, 190.6433

■ 5.4586, 5.9924,
14.9264

149.0033,
159.0076, 234.5459

■ 2.5563, 2.8405,
8.6217

184.6980,
196.9062, 284.7187

■ 0.9237, 1.0490,
4.4019

225.6814,

■ 0.0000, 0.0000,

240.3937, 341.5804

1.8483

272.3188,
289.8544, 405.5494

■ 0.0000, 0.0000,
0.4595

■ 0.0000, 0.0000,
0.0000

■ 37.0728, 39.8931,
69.3645

■ 37.0728, 39.8931,
69.3645

■ 31.9279, 34.2104,
68.5395

■ 43.0894, 46.2897,
70.2828

■ 27.6047, 29.2069,
67.8016

■ 50.0161, 53.4236,
71.2947

■ 24.0540, 24.8515,
67.1481

■ 57.8937, 61.3226,
72.4041

■ 21.2188, 21.1080,
66.5749

■ 66.7591, 70.0115,
73.6140

■ 19.0332, 17.9351,
66.0777

■ 76.6473, 79.5138,
74.9270

■ 17.4123, 15.2816,
65.6509

■ 84.4318, 88.2233,
76.1978

■ 16.9821, 14.5437,
65.5312

■ 87.7955, 94.9507,
77.3190

■ 89.1377, 97.6351,
77.7664

Harmonies

Analogous

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



33.5208, 39.8931, 63.8270



37.0728, 39.8931, 69.3645



41.1074, 39.8931, 67.0282

Triad

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



37.0728, 39.8931, 69.3645



45.4458, 39.8931, 35.1381



32.0238, 39.8931, 31.6002

Complementary

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



37.0728, 39.8931, 69.3645



47.6307, 47.0966, 29.5029

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.



34.8965, 39.8931, 26.1538



37.0728, 39.8931, 69.3645



42.6821, 39.8931, 27.9298

Square

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



37.0728, 39.8931, 69.3645



46.1307, 39.8931, 45.9191



38.7743, 39.8931, 24.9397



30.7415, 39.8931, 41.0456

Rectangle

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



37.0728, 39.8931, 69.3645



43.5103, 39.8931, 61.4942



38.7743, 39.8931, 24.9397



32.8252, 39.8931, 29.3133

Sweetspot

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



37.0741, 39.8946, 69.3654



81.0034, 86.1240, 106.9620



41.8575, 56.3722, 49.6551



16.9943, 18.0894, 22.8459



0.0000, 0.0000, 0.0000



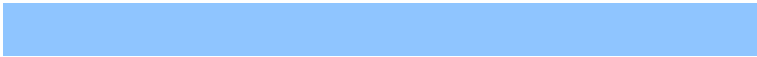
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0741, 39.8946, 69.3654



49.2575, 52.8705, 102.2166



31.0075, 27.4449, 67.2821



12.2306, 12.9846, 15.7992



10.3676, 8.9969, 39.6433



0.7080, 0.7079, 2.4186

Inverse Universe

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



43.9394, 34.6423, 43.9076



61.0843, 44.8657, 58.1265



55.7693, 63.9420, 32.3255



12.6696, 12.5193, 14.2003



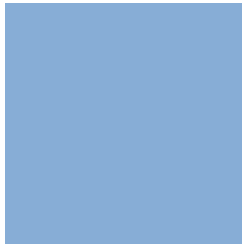
18.2919, 9.2531, 8.8413



1.1450, 0.5748, 0.7529

Previews

White Background



This preview shows how the XYZ color 37.0728, 39.8931, 69.3645 looks on a white background.

Color Contrast Check

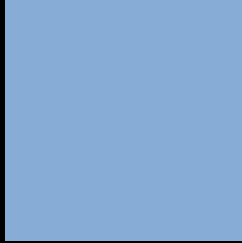
Large Text (above 18pt) WCAG AA × Fail

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 37.0728, 39.8931, 69.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

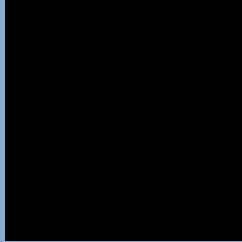
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0728, 39.8931, 69.3645

Background



This preview shows how black text looks on a background with the XYZ color 37.0728, 39.8931, 69.3645.

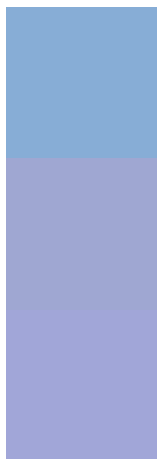


This preview shows how white text looks on a background with the XYZ color 37.0728, 39.8931,

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

37.0728, 39.8931, 69.3645

Protanopia

39.7497, 39.6615, 66.5332

Deuteranopia

40.7288, 39.8074, 70.5027



Tritanopia

34.1794, 39.8730, 55.1850

Trichromacy



Original Color

37.0728, 39.8931, 69.3645

Protanomaly

38.5235, 39.5631, 67.2341

Deuteranomaly

39.4026, 39.9576, 69.9258

Tritanomaly

35.1942, 39.9995, 59.8986

Monochromacy



Original Color

37.0728, 39.8931, 69.3645

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2528, 38.7634, 50.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0728, 39.8931, 69.3645 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(135, 173, 214)` looks like.

```
.text, #text, p{  
    color:rgb(135, 173, 214)  
}
```

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(135, 173, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 173, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.0728, 39.8931, 69.3645 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(135, 173, 214) }
```


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

```
.border{ border-color:rgb(135, 173, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 173, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 173, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 173, 214);  
box-shadow:4px 4px 4px 4px rgb(135, 173,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0728, 39.8931, 69.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 173, 214) }
```

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

```
.background{ background-color: rgb(135,  
173, 214) }
```

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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