

Converting Colors

XYZ(37.1103, 39.9322, 69.0576)

Have a look what the booklet for
XYZ(37.1103, 39.9322, 69.0576)
contains.

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Color

**XYZ(37.2345, 39.9764,
69.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	88ADD6
RGB	136, 173, 214
RGB Percent	53%, 68%, 84%
CMY	0.4667, 0.3216, 0.1608
CMYK	0.36, 0.19, 0.00, 0.16
HSL	212°, 49%, 69%
HSV	212°, 36%, 84%
XYZ	37.2345, 39.9764, 69.3721
YIQ	166.6110, -35.2130, 4.9070

Conversions

Conversions Part 2

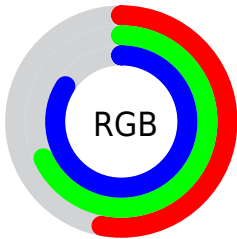
Format	Color
R _{YB}	136, 161, 214
Decimal	8957398
CIE _{Lab}	69.45, -2.48, -24.76
CIE _{LCh}	69, 24.888, 264.285
Yxy	39.9764, 0.2540, 0.2727
Android (android.graphics.Color)	4287147478 (0xFF88ADD6)
YUV	166.6110, 23.3628, -26.8458
Hunter-Lab	63.2269, -5.5279, -20.7937

Details

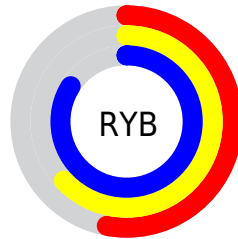
The XYZ color **37.2345, 39.9764, 69.3721** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.8985, 47.5188, 29.9413**, and the grayscale version is **36.4449, 38.3429, 41.7554**.

A 20% lighter version of the original color is **67.2793, 73.7832, 105.3033**, and **16.6627, 18.0169, 35.4003** is the 20% darker color. If you saturate the color by 10%, you get **32.0330, 34.2274, 68.5373**, and if you desaturate by 10%, it is **43.3140, 46.4495, 70.3018**.

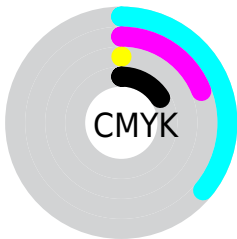
Distribution



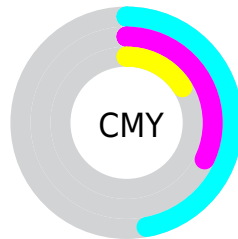
- Red (53%)
- Green (68%)
- Blue (84%)



- Red (53%)
- Yellow (63%)
- Blue (84%)



- Cyan (36%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (47%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2345, 39.9764, 69.3721 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 37.2345, 39.9764, 69.3721 by changing the saturation by 10% instead.

■ 37.2345, 39.9764,
69.3721

■ 37.2345, 39.9764,
69.3721

325.6626,
346.0241, 477.0717

■ 25.5636, 27.5201,
50.5412

■ 70.2448, 75.1276,
119.9856

■ 16.6284, 17.9643,
35.4694

■ 92.3149, 98.5913,
152.6052

■ 10.0636, 10.9243,
23.7382

■ 118.5821,
126.4929, 190.6582

■ 5.5037, 6.0160,
14.9292

149.4119,
159.2169, 234.5630

■ 2.5835, 2.8548,
8.6236

185.1694,
197.1476, 284.7382

■ 0.9376, 1.0564,
4.4031

226.2201,

■ 0.0000, 0.0000,

240.6695, 341.6024

1.8490

272.9294,
290.1668, 405.5740

■ 0.0000, 0.0000,
0.4600

■ 0.0000, 0.0000,
0.0000

■ 37.2345, 39.9764,
69.3721

■ 37.2345, 39.9764,
69.3721

■ 32.0330, 34.2274,
68.5373

■ 43.3140, 46.4495,
70.3018

■ 27.6598, 29.1674,
67.7911

■ 50.3102, 53.6702,
71.3268

■ 24.0655, 24.7651,
67.1308

■ 58.2636, 61.6665,
72.4511

■ 21.1934, 20.9841,
66.5524

■ 67.2114, 70.4636,
73.6775

■ 18.9779, 17.7831,
66.0513

■ 77.1886, 80.0853,
75.0088

■ 17.3368, 15.1119,
65.6222

■ 84.6836, 88.7268,
76.2817

■ 16.8416, 14.2629,
65.4844

■ 88.1075, 95.5746,
77.4230

■ 89.1377, 97.6351,
77.7665

Harmonies

Analogous

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



33.6752, 39.9764, 64.0060



37.2345, 39.9764, 69.3721



41.2529, 39.9764, 66.8888

Triad

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



37.2345, 39.9764, 69.3721



45.4582, 39.9764, 35.0712



32.0796, 39.9764, 31.8788

Complementary

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



37.2345, 39.9764, 69.3721



47.8985, 47.5188, 29.9413

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.



34.9159, 39.9764, 26.3580



37.2345, 39.9764, 69.3721



42.6722, 39.9764, 27.9618

Square

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



37.2345, 39.9764, 69.3721



46.1870, 39.9764, 45.7613



38.7686, 39.9764, 25.0613



30.8362, 39.9764, 41.3676

Rectangle

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



37.2345, 39.9764, 69.3721



43.6319, 39.9764, 61.3052



38.7686, 39.9764, 25.0613



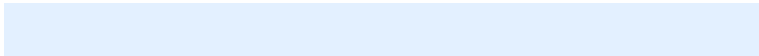
32.8683, 39.9764, 29.5690

Sweetspot

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



37.2358, 39.9779, 69.3730



80.9483, 86.0138, 106.9436



42.0672, 56.4748, 49.9148



16.9811, 18.0632, 22.8415



0.0000, 0.0000, 0.0000



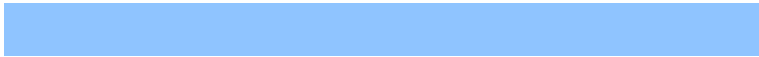
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2358, 39.9779, 69.3730



49.0885, 52.5326, 102.1603



31.3087, 27.8084, 67.3365



12.2236, 12.9706, 15.7968



10.2822, 8.8263, 39.6149



0.7027, 0.6974, 2.4169

Inverse Universe

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



44.0796, 34.9228, 43.9543



60.9990, 44.8315, 57.6774



55.8450, 63.9728, 32.6985



12.6661, 12.5179, 14.1818



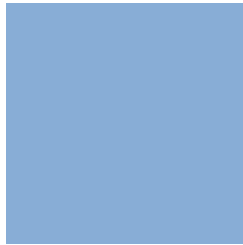
18.2489, 9.2359, 8.6145



1.1423, 0.5737, 0.7390

Previews

White Background



This preview shows how the XYZ color 37.2345, 39.9764, 69.3721 looks on a white background.

Color Contrast Check

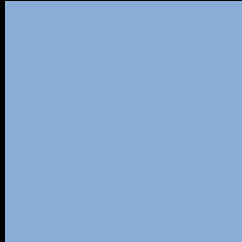
Large Text (above 18pt) WCAG AA × Fail

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 37.2345, 39.9764, 69.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

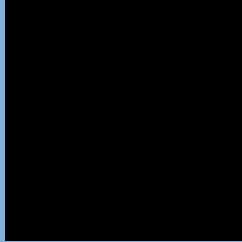
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2345, 39.9764, 69.3721

Background



This preview shows how black text looks on a background with the XYZ color 37.2345, 39.9764, 69.3721.



This preview shows how white text looks on a background with the XYZ color 37.2345, 39.9764,

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

37.2345, 39.9764, 69.3721

Protanopia

39.7497, 39.6615, 66.5332

Deuteranopia

40.5999, 39.7558, 69.8238



Tritanopia

34.3320, 39.9517, 55.1922

Trichromacy



Original Color

37.2345, 39.9764, 69.3721

Protanomaly

38.7083, 39.6584, 67.2427

Deuteranomaly

39.4026, 39.9576, 69.9258

Tritanomaly

35.3499, 40.0797, 59.9059

Monochromacy



Original Color

37.2345, 39.9764, 69.3721

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.5500, 38.9045, 50.9303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2345, 39.9764, 69.3721 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(136, 173, 214)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 173, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 173, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.2345, 39.9764, 69.3721 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(136, 173, 214) }
```


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

```
.border{ border-color:rgb(136, 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(136, 173, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 173, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 173, 214);  
box-shadow:4px 4px 4px 4px rgb(136, 173,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2345, 39.9764, 69.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 173, 214) }
```

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

```
.background{ background-color: rgb(136,  
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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