

Converting Colors

XYZ(37.1063, 39.3973, 71.8884)

Have a look what the booklet for
XYZ(37.1063, 39.3973, 71.8884)
contains.

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Color

**XYZ(37.0493, 39.2561,
71.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	86ABDA
RGB	134, 171, 218
RGB Percent	53%, 67%, 85%
CMY	0.4745, 0.3294, 0.1451
CMYK	0.39, 0.22, 0.00, 0.15
HSL	214°, 53%, 69%
HSV	214°, 39%, 85%
XYZ	37.0493, 39.2561, 71.9541
YIQ	165.2950, -37.1390, 6.7730

Conversions

Conversions Part 2

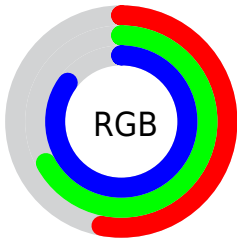
Format	Color
RYB	134, 160, 218
Decimal	8825818
CIELab	68.94, -0.86, -27.76
CIElCh	69, 27.777, 268.225
Yxy	39.2561, 0.2499, 0.2648
Android (android.graphics.Color)	4287015898 (0xFF86ABDA)
YUV	165.2950, 25.9836, -27.4457
Hunter-Lab	62.6547, -4.0941, -24.2317

Details

The XYZ color **37.0493, 39.2561, 71.9541** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.7413, 49.6753, 29.5222**, and the grayscale version is **35.7987, 37.6630, 41.0150**.

A 20% lighter version of the original color is **66.4816, 72.5599, 105.1092**, and **16.5160, 17.5435, 37.1661** is the 20% darker color. If you saturate the color by 10%, you get **31.7278, 33.2495, 71.0759**, and if you desaturate by 10%, it is **43.3023, 46.0601, 72.9385**.

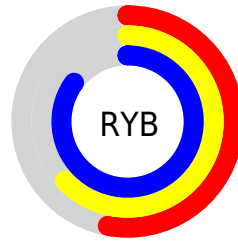
Distribution



Red (53%)

Green (67%)

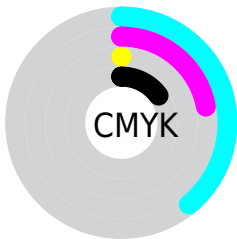
Blue (85%)



Red (53%)

Yellow (63%)

Blue (85%)

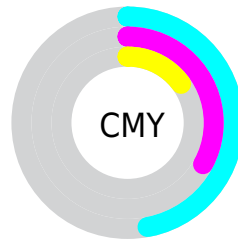


Cyan (39%)

Magenta (22%)

Yellow (0%)

Black (15%)



Cyan (47%)

Magenta (33%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0493, 39.2561, 71.9541 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 37.0493, 39.2561, 71.9541 by changing the saturation by 10% instead.

■ 37.0493, 39.2561,
71.9541

■ 37.0493, 39.2561,
71.9541

324.8757,
342.9781, 486.3551

■ 25.4195, 26.9590,
52.6346

■ 69.9619, 74.0294,
123.6984

■ 16.5203, 17.5424,
37.1254

■ 91.9755, 97.2744,
156.9602

■ 9.9862, 10.6220,
25.0081

■ 118.1810,
124.9375, 195.7066

■ 5.4520, 5.8133,
15.8640

148.9439,
157.4030, 240.3560

■ 2.5523, 2.7319,
9.2746

184.6295,
195.0555, 291.3270

■ 0.9217, 0.9934,
4.8215

225.6030,

■ 0.0000, 0.0000,

238.2792, 349.0382

2.0860

272.2300,
287.4586, 413.9080

■ 0.0000, 0.0000,
0.6074

■ 0.0000, 0.0000,
0.0000

■ 37.0493, 39.2561,
71.9541

■ 37.0493, 39.2561,
71.9541

■ 31.7278, 33.2495,
71.0759

■ 43.3023, 46.0601,
72.9385

■ 27.2837, 28.0017,
70.2972

■ 50.5288, 53.6890,
74.0302

■ 23.6632, 23.4766,
69.6146

■ 58.7729, 62.1743,
75.2335

■ 20.8040, 19.6331,
69.0234

■ 68.0749, 71.5441,
76.5518

■ 18.6336, 16.4239,
68.5184

■ 78.4726, 81.8254,
77.9883

■ 17.0458, 13.7840,
68.0925

■ 86.3024, 91.1367,
79.3728

■ 16.8402, 13.4324,
68.0355

■ 89.6550, 97.8420,
80.4904

Harmonies

Analogous

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



33.0159, 39.2561, 66.9335



37.0493, 39.2561, 71.9541



41.4741, 39.2561, 67.9546

Triad

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



37.0493, 39.2561, 71.9541



45.3060, 39.2561, 32.2414



30.5476, 39.2561, 31.1721

Complementary

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



37.0493, 39.2561, 71.9541



49.7413, 49.6753, 29.5222

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.



33.4377, 39.2561, 24.6949



37.0493, 39.2561, 71.9541



41.9649, 39.2561, 25.2212

Square

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



37.0493, 39.2561, 71.9541



46.4603, 39.2561, 43.5010



37.5754, 39.2561, 22.7503



29.4506, 39.2561, 41.9942

Rectangle

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



37.0493, 39.2561, 71.9541



44.0104, 39.2561, 61.0808



37.5754, 39.2561, 22.7503



31.3298, 39.2561, 28.5008

Sweetspot

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



37.0506, 39.2576, 71.9550



79.4538, 84.2098, 106.6742



43.1626, 58.5155, 52.3078



16.6716, 17.6803, 22.7839



0.0000, 0.0000, 0.0000



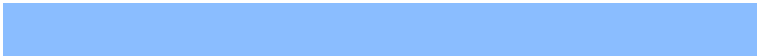
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0506, 39.2576, 71.9550



46.7587, 49.1517, 101.6305



31.6956, 27.5339, 69.9744



12.8083, 13.5564, 16.5937



10.1923, 8.2540, 40.7944



0.7452, 0.7045, 2.6712

Inverse Universe

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



44.7903, 34.8972, 42.9047



59.5109, 43.0411, 53.5254



57.0485, 66.1309, 32.3133



13.2931, 13.1463, 14.8048



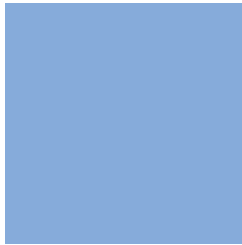
18.6399, 9.4570, 7.7499



1.2504, 0.6298, 0.7277

Previews

White Background



This preview shows how the XYZ color 37.0493, 39.2561, 71.9541 looks on a white background.

Color Contrast Check

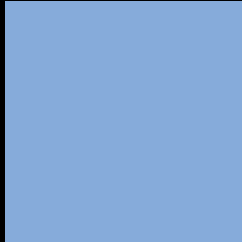
Large Text (above 18pt) WCAG AA × Fail

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 37.0493, 39.2561, 71.9541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

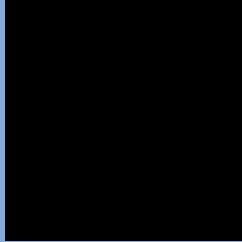
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0493, 39.2561, 71.9541

Background



This preview shows how black text looks on a background with the XYZ color 37.0493, 39.2561, 71.9541.



This preview shows how white text looks on a background with the XYZ color 37.0493, 39.2561,

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

37.0493, 39.2561, 71.9541

Protanopia

39.2914, 39.0960, 69.0937

Deuteranopia

39.9516, 39.0927, 72.4578



Tritanopia

33.5720, 39.2804, 54.5276

Trichromacy



Original Color

37.0493, 39.2561, 71.9541

Protanomaly

38.3010, 39.1146, 69.8212

Deuteranomaly

38.8176, 39.0478, 72.5089

Tritanomaly

34.7673, 39.1881, 60.3752

Monochromacy



Original Color

37.0493, 39.2561, 71.9541

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7969, 37.9681, 50.7893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0493, 39.2561, 71.9541 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, 171, 218)` looks like.

```
.text, #text, p{  
    color:rgb(134, 171, 218)  
}
```

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, 171, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 171, 218) }
```

Border

The CSS property to change the border of an element to XYZ 37.0493, 39.2561, 71.9541 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, 171, 218) }
```


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

```
.border{ border-color:rgb(134, 171, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 171, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 171, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 171, 218);  
box-shadow:4px 4px 4px 4px rgb(134, 171,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0493, 39.2561, 71.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 171, 218) }
```

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

```
.background{ background-color: rgb(134,  
171, 218) }
```

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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