

Converting Colors

XYZ(33.5459, 39.8458, 70.2672)

Have a look what the booklet for
XYZ(33.5459, 39.8458, 70.2672)
contains.

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Color

**XYZ(33.5314, 39.7991,
70.2047)**

Conversions

Conversions Part 1

Format	Color
Hex	63B3D7
RGB	99, 179, 215
RGB Percent	39%, 70%, 84%
CMY	0.6117, 0.2980, 0.1569
CMYK	0.54, 0.17, 0.00, 0.16
HSL	199°, 59%, 62%
HSV	199°, 54%, 84%
XYZ	33.5314, 39.7991, 70.2047
YIQ	159.1840, -59.2360, -5.7640

Conversions

Conversions Part 2

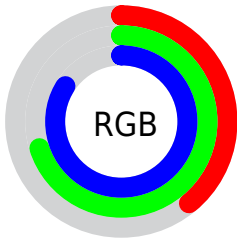
Format	Color
R _Y B	99, 146, 215
Decimal	6534103
CIE Lab	69.33, -14.49, -25.67
CIE LCh	69, 29.474, 240.559
Yxy	39.7991, 0.2336, 0.2773
Android (android.graphics.Color)	4284724183 (0xFF63B3D7)
YUV	159.1840, 27.5173, -52.7814
Hunter-Lab	63.0865, -15.5261, -21.8192

Details

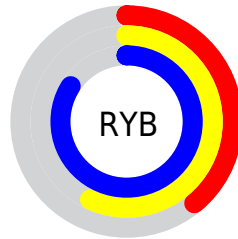
The XYZ color **33.5314, 39.7991, 70.2047** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.9416, 32.6772, 16.0606**, and the grayscale version is **32.9375, 34.6528, 37.7369**.

A 20% lighter version of the original color is **61.6630, 73.8048, 105.6035**, and **14.4332, 17.7831, 35.9295** is the 20% darker color. If you saturate the color by 10%, you get **30.1828, 36.1362, 69.6749**, and if you desaturate by 10%, it is **37.5724, 43.9167, 70.7872**.

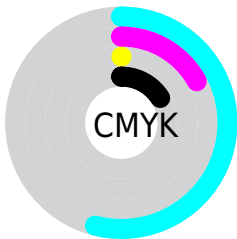
Distribution



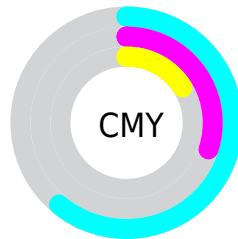
- Red (39%)
- Green (70%)
- Blue (84%)



- Red (39%)
- Yellow (57%)
- Blue (84%)



- Cyan (54%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5314, 39.7991, 70.2047 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 33.5314, 39.7991, 70.2047 by changing the saturation by 10% instead.

■ 33.5314, 39.7991,
70.2047

■ 33.5314, 39.7991,
70.2047

309.6603,
345.2761, 480.0769

■ 22.6950, 27.3819,
51.2156

■ 64.5534, 74.8575,
121.1845

■ 14.4879, 17.8603,
36.0023

■ 85.4698, 98.2675,
154.0122

■ 8.5448, 10.8497,
24.1463

■ 110.4769,
126.1106, 192.2900

■ 4.5002, 5.9659,
15.2290

■ 139.9400,
158.7712, 236.4362

■ 1.9888, 2.8243,
8.8318

174.2246,
196.6336, 286.8695

■ 0.6277, 1.0407,
4.5363

213.6959,

■ 0.0000, 0.0000,

240.0823, 344.0083

1.9240

258.7194,
289.5017, 408.2713

■ 0.0000, 0.0000,
0.5079

■ 0.0000, 0.0000,
0.0000

■ 33.5314, 39.7991,
70.2047

■ 33.5314, 39.7991,
70.2047

■ 30.1828, 36.1362,
69.6749

■ 37.5724, 43.9167,
70.7872

■ 27.4712, 32.8955,
69.1923

■ 42.3482, 48.5097,
71.4221

■ 25.3380, 30.0463,
68.7548

■ 47.9019, 53.6024,
72.1123

■ 23.7111, 27.5502,
68.3588

■ 54.2722, 59.2160,
72.8601

■ 22.8993, 26.1732,
68.1357

■ 61.4950, 65.3702,
73.6673

■ 69.6039, 72.0837,
74.5358

■ 78.6309, 79.3741,
75.4672

■ 82.4701, 84.0948,
76.1760

■ 84.3883, 87.9312,
76.8154

Harmonies

Analogous

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



30.5245, 39.7991, 57.9716



33.5314, 39.7991, 70.2047



37.9166, 39.7991, 74.9455

Triad

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



33.5314, 39.7991, 70.2047



47.6702, 39.7991, 43.0809



33.3898, 39.7991, 24.5529

Complementary

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



33.5314, 39.7991, 70.2047



38.9416, 32.6772, 16.0606

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.



37.7392, 39.7991, 22.1590



33.5314, 39.7991, 70.2047



46.2121, 39.7991, 31.3951

Square

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



33.5314, 39.7991, 70.2047



46.3135, 39.7991, 57.4390



42.4765, 39.7991, 24.3793



30.4477, 39.7991, 31.7514

Rectangle

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



33.5314, 39.7991, 70.2047



41.1123, 39.7991, 72.5825



42.4765, 39.7991, 24.3793



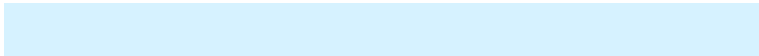
34.7232, 39.7991, 23.2359

Sweetspot

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



33.5327, 39.8006, 70.2057



77.6928, 85.2519, 106.9682



33.7363, 52.9702, 30.9289



16.2029, 17.8738, 22.8460



0.0000, 0.0000, 0.0000



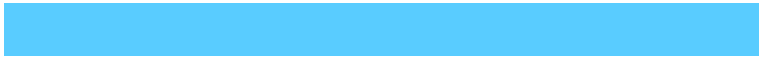
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5327, 39.8006, 70.2057



43.6824, 52.3334, 102.4068



24.3967, 21.5287, 67.1603



12.4519, 13.4273, 15.8730



13.7946, 15.8509, 40.7856



0.9042, 1.1003, 2.4840

Inverse Universe

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



40.6240, 26.6267, 45.6476



55.6797, 32.7850, 60.2443



49.0832, 52.9606, 19.4412



12.7813, 12.5640, 14.7886



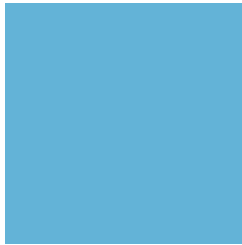
20.0217, 9.9450, 17.9503



1.2440, 0.6144, 1.2744

Previews

White Background



This preview shows how the XYZ color 33.5314, 39.7991, 70.2047 looks on a white background.

Color Contrast Check

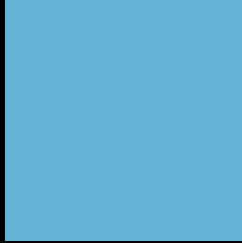
Large Text (above 18pt) WCAG AA × Fail

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 33.5314, 39.7991, 70.2047 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 33.5314, 39.7991, 70.2047

Background



This preview shows how black text looks on a background with the XYZ color 33.5314, 39.7991, 70.2047.



This preview shows how white text looks on a background with the XYZ color 33.5314, 39.7991,

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

33.5314, 39.7991, 70.2047

Protanopia

39.2574, 39.4646, 63.9409

Deuteranopia

40.2106, 39.2413, 71.7847



Tritanopia

31.2196, 39.7624, 58.8528

Trichromacy



Original Color

33.5314, 39.7991, 70.2047

Protanomaly

36.3881, 39.0476, 65.9407

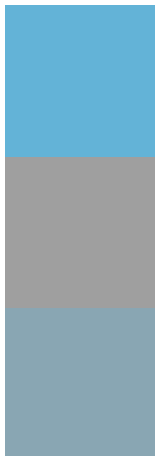
Deuteranomaly

37.2156, 39.0776, 71.2269

Tritanomaly

32.1423, 39.8403, 63.1226

Monochromacy



Original Color

33.5314, 39.7991, 70.2047

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0894, 35.8455, 47.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5314, 39.7991, 70.2047 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(99, 179, 215)` looks like.

```
.text, #text, p{  
    color:rgb(99, 179, 215)  
}
```

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(99, 179, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 179, 215) }
```

Border

The CSS property to change the border of an element to XYZ 33.5314, 39.7991, 70.2047 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(99, 179, 215) }
```


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

```
.border{ border-color:rgb(99, 179, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 179, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(99, 179,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5314, 39.7991, 70.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 179, 215) }
```

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

```
.background{ background-color: rgb(99, 179,  
215) }
```

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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