

Converting Colors

XYZ(33.1425, 39.3403, 79.8203)

Have a look what the booklet for
XYZ(33.1425, 39.3403, 79.8203)
contains.

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Color

**XYZ(33.1646, 39.3932,
79.9844)**

Conversions

Conversions Part 1

Format	Color
Hex	4BB3E5
RGB	75, 179, 229
RGB Percent	29%, 70%, 90%
CMY	0.7058, 0.2980, 0.1020
CMYK	0.67, 0.22, 0.00, 0.10
HSL	199°, 75%, 60%
HSV	199°, 67%, 90%
XYZ	33.1646, 39.3932, 79.9844
YIQ	153.6040, -78.0340, -6.4980

Conversions

Conversions Part 2

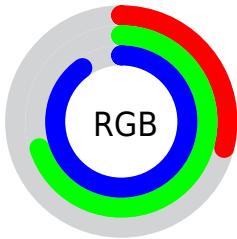
Format	Color
RYB	75, 137, 229
Decimal	4961253
CIELab	69.04, -14.53, -33.85
CIELCh	69, 36.832, 246.773
Yxy	39.3932, 0.2174, 0.2582
Android (android.graphics.Color)	4283151333 (0xFF4BB3E5)
YUV	153.6040, 37.1702, -68.9357
Hunter-Lab	62.7640, -15.5173, -31.6224

Details

The XYZ color **33.1646, 39.3932, 79.9844** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.9183, 31.8355, 10.6465**, and the grayscale version is **30.4104, 31.9941, 34.8416**.

A 20% lighter version of the original color is **58.4058, 72.1256, 105.4511**, and **15.0037, 17.9388, 42.2069** is the 20% darker color. If you saturate the color by 10%, you get **30.2351, 35.7307, 79.4326**, and if you desaturate by 10%, it is **36.8215, 43.5514, 80.5950**.

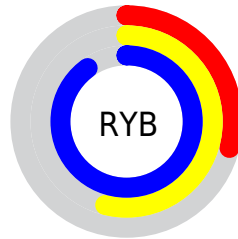
Distribution



Red (29%)

Green (70%)

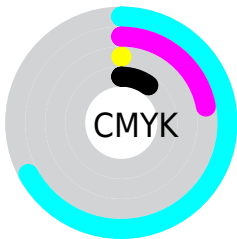
Blue (90%)



Red (29%)

Yellow (54%)

Blue (90%)

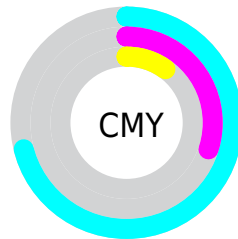


Cyan (67%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (71%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1646, 39.3932, 79.9844 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 33.1646, 39.3932, 79.9844 by changing the saturation by 10% instead.

■ 33.1646, 39.3932,
79.9844

■ 33.1646, 39.3932,
79.9844

308.0427,
343.5593, 514.5856

■ 22.4124, 27.0657,
59.1794

■ 63.9854, 74.2386,
135.1550

■ 14.2785, 17.6226,
42.3366

■ 84.7847, 97.5254,
170.3577

■ 8.3976, 10.6794,
29.0374

■ 109.6637,
125.2340, 211.1967

■ 4.4044, 5.8517,
18.8633

■ 138.9879,
157.7489, 258.0906

■ 1.9333, 2.7551,
11.3957

173.1225,
195.4545, 311.4579

■ 0.5961, 1.0053,
6.2162

212.4329,

■ 0.0000, 0.0000,

238.7352, 371.7172

2.9061

257.2845,
287.9753, 439.2869

■ 0.0000, 0.0000,
1.0469

■ 0.0000, 0.0000,
0.0000

■ 33.1646, 39.3932,
79.9844

■ 33.1646, 39.3932,
79.9844

■ 30.2351, 35.7307,
79.4326

■ 36.8215, 43.5514,
80.5950

■ 27.9547, 32.5196,
78.9330

■ 41.2650, 48.2354,
81.2650

■ 26.2277, 29.7093,
78.4816

■ 46.5525, 53.4775,
81.9981

■ 25.8059, 28.9830,
78.3636

■ 52.7346, 59.3054,
82.7972

■ 59.8576, 65.7447,
83.6647

■ 67.9647, 72.8194,
84.6029

■ 77.0961, 80.5517,
85.6141

■ 86.0988, 88.3489,
86.6446

■ 88.3144, 92.7801,
87.3832

Harmonies

Analogous

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



29.1089, 39.3932, 65.3007



33.1646, 39.3932, 79.9844



38.7890, 39.3932, 83.6673

Triad

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



33.1646, 39.3932, 79.9844



49.8064, 39.3932, 39.1921



31.0833, 39.3932, 21.8597

Complementary

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



33.1646, 39.3932, 79.9844



40.9183, 31.8355, 10.6465

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.



36.1266, 39.3932, 18.1339



33.1646, 39.3932, 79.9844



47.2308, 39.3932, 26.3050

Square

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



33.1646, 39.3932, 79.9844



48.8019, 39.3932, 56.9462



42.0723, 39.3932, 19.5164



27.9978, 39.3932, 31.3650

Rectangle

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



33.1646, 39.3932, 79.9844



42.7601, 39.3932, 78.7107



42.0723, 39.3932, 19.5164



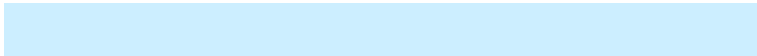
32.5843, 39.3932, 20.0207

Sweetspot

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



33.1660, 39.3946, 79.9854



73.6550, 81.4636, 106.4498



34.5457, 58.9849, 28.5582



15.2098, 16.9358, 22.7172



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.



33.1660, 39.3946, 79.9854



37.2599, 43.7987, 101.0979



21.9196, 16.9019, 76.2366



14.3923, 15.5061, 18.3787



14.8683, 16.7986, 44.8420



1.1823, 1.4085, 3.3415

Inverse Universe

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



42.9671, 24.9464, 45.1996



51.3857, 27.0390, 50.0519



54.4166, 58.8321, 15.1459



14.7856, 14.5314, 17.0715



21.8983, 10.8935, 18.8914



1.6604, 0.8219, 1.6181

Previews

White Background



This preview shows how the XYZ color 33.1646, 39.3932, 79.9844 looks on a white background.

Color Contrast Check

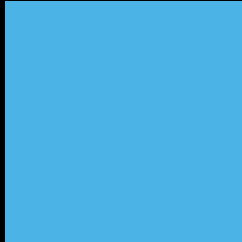
Large Text (above 18pt) WCAG AA × Fail

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 33.1646, 39.3932, 79.9844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

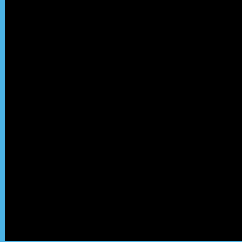
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1646, 39.3932, 79.9844

Background



This preview shows how black text looks on a background with the XYZ color 33.1646, 39.3932, 79.9844.

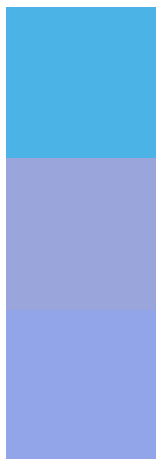


This preview shows how white text looks on a background with the XYZ color 33.1646, 39.3932,

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

33.1646, 39.3932, 79.9844

Protanopia

39.3782, 38.7970, 72.4310

Deuteranopia

39.8747, 38.8475, 81.7406



Tritanopia

29.1366, 39.2744, 60.0779

Trichromacy



Original Color

33.1646, 39.3932, 79.9844

Protanomaly

36.1515, 38.4371, 75.3258

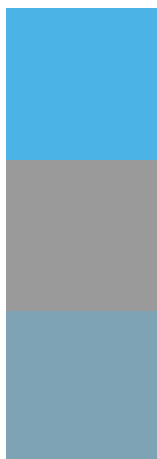
Deuteranomaly

36.5443, 38.5120, 81.1088

Tritanomaly

30.4752, 39.1990, 66.9327

Monochromacy



Original Color

33.1646, 39.3932, 79.9844

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.8951, 33.8906, 48.6820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1646, 39.3932, 79.9844 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(75, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(75, 179, 229)  
}
```

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(75, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 179, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.1646, 39.3932, 79.9844 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(75, 179, 229) }
```


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

```
.border{ border-color:rgb(75, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(75, 179,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1646, 39.3932, 79.9844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 179, 229) }
```

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

```
.background{ background-color: rgb(75, 179,  
229) }
```

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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