

Converting Colors

XYZ(33.1993, 39.6772, 81.5100)

Have a look what the booklet for
XYZ(33.1993, 39.6772, 81.5100)
contains.

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Color

**XYZ(33.1993, 39.6772,
81.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	45B4E7
RGB	69, 180, 231
RGB Percent	27%, 71%, 91%
CMY	0.7294, 0.2941, 0.0941
CMYK	0.70, 0.22, 0.00, 0.09
HSL	199°, 77%, 59%
HSV	199°, 70%, 91%
XYZ	33.1993, 39.6772, 81.5100
YIQ	152.6250, -82.5270, -7.6710

Conversions

Conversions Part 2

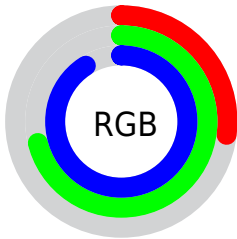
Format	Color
R_{YB}	69, 135, 231
Decimal	4568295
CIE _{Lab}	69.24, -15.28, -34.64
CIE _{LCh}	69, 37.857, 246.192
Yxy	39.6772, 0.2150, 0.2570
Android (android.graphics.Color)	4282758375 (0xFF45B4E7)
YUV	152.6250, 38.6389, -73.3391
Hunter-Lab	62.9898, -16.1524, -32.6295

Details

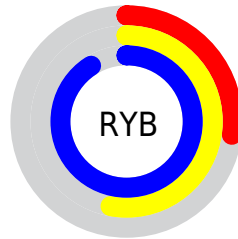
The XYZ color **33.1993, 39.6772, 81.5100** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.7475, 30.8542, 9.4398**, and the grayscale version is **29.9806, 31.5419, 34.3491**.

A 20% lighter version of the original color is **58.0371, 72.3618, 105.5161**, and **15.3272, 18.2739, 43.2768** is the 20% darker color. If you saturate the color by 10%, you get **30.4384, 36.1319, 80.9720**, and if you desaturate by 10%, it is **36.6773, 43.7079, 82.1055**.

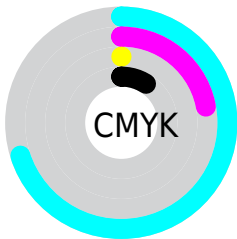
Distribution



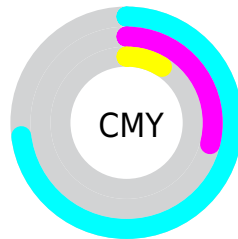
- Red (27%)
- Green (71%)
- Blue (91%)



- Red (27%)
- Yellow (53%)
- Blue (91%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (73%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1993, 39.6772, 81.5100 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 33.1993, 39.6772, 81.5100 by changing the saturation by 10% instead.

■ 33.1993, 39.6772,
81.5100

■ 33.1993, 39.6772,
81.5100

308.1960,
344.7611, 519.8475

■ 22.4391, 27.2870,
60.4283

■ 64.0392, 74.6717,
137.3172

■ 14.2983, 17.7888,
43.3364

■ 84.8496, 98.0448,
172.8796

■ 8.4115, 10.7985,
29.8158

■ 109.7407,
125.8476, 214.1061

■ 4.4134, 5.9315,
19.4479

■ 139.0781,
158.4645, 261.4152

■ 1.9386, 2.8035,
11.8143

173.2269,
196.2799, 315.2253

■ 0.5991, 1.0300,
6.4964

212.5526,

■ 0.0000, 0.0000,

239.6782, 375.9550

3.0756

257.4205,
289.0438, 444.0229

■ 0.0000, 0.0000,
1.1333

■ 0.0000, 0.0000,
0.0000

■ 33.1993, 39.6772,
81.5100

■ 33.1993, 39.6772,
81.5100

■ 30.4384, 36.1319,
80.9720

■ 36.6773, 43.7079,
82.1055


■ 28.3107, 33.0250,
80.4844


■ 40.9358, 48.2564,
82.7590


■ 26.6979, 30.3175,
80.0468


■ 46.0350, 53.3560,
83.4745


■ 52.0280, 59.0357,
84.2550

 58.9633, 65.3221,
85.1028

 66.8855, 72.2398,
86.0205

 75.8366, 79.8120,
87.0103

 85.8558, 88.0603,
88.0744

 88.4542, 92.6100,
88.8156

Harmonies

Analogous

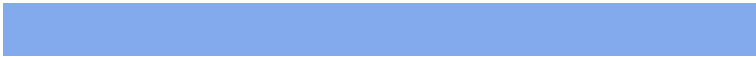
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.0648, 39.6772, 66.0661



33.1993, 39.6772, 81.5100



38.9834, 39.6772, 85.6176

Triad

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



33.1993, 39.6772, 81.5100



50.5289, 39.6772, 39.6999



31.2388, 39.6772, 21.4714

Complementary

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



33.1993, 39.6772, 81.5100



40.7475, 30.8542, 9.4398

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.



36.4686, 39.6772, 17.7854



33.1993, 39.6772, 81.5100



47.9238, 39.6772, 26.3345

Square

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



33.1993, 39.6772, 81.5100



49.4142, 39.6772, 58.1284



42.6161, 39.6772, 19.2904



28.0206, 39.6772, 31.0777

Rectangle

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



33.1993, 39.6772, 81.5100



43.0948, 39.6772, 80.6170



42.6161, 39.6772, 19.2904



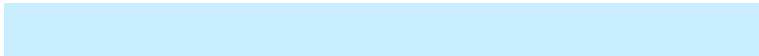
32.7972, 39.6772, 19.6353

Sweetspot

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



33.2007, 39.6786, 81.5110



72.8742, 80.9312, 106.3881



34.2780, 59.7167, 26.7375



15.0635, 16.8431, 22.7071



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.



33.2007, 39.6786, 81.5110



36.8467, 43.4678, 101.0558



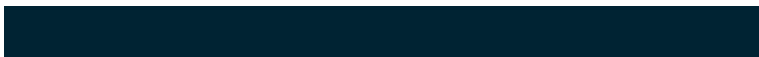
21.5724, 16.4221, 77.6349



14.4047, 15.5308, 18.3829



15.0830, 17.2282, 44.9136



1.1969, 1.4378, 3.3464

Inverse Universe

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



43.3226, 24.5420, 45.6349



51.0562, 26.4441, 49.7442



54.3621, 58.0833, 13.9780



14.7919, 14.5339, 17.1043



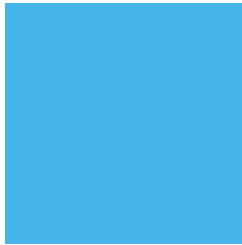
22.0067, 10.9369, 19.4622



1.6678, 0.8248, 1.6570

Previews

White Background



This preview shows how the XYZ color 33.1993, 39.6772, 81.5100 looks on a white background.

Color Contrast Check

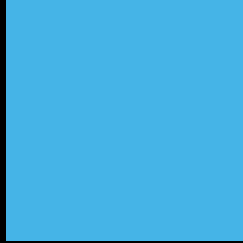
Large Text (above 18pt) WCAG AA × Fail

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 33.1993, 39.6772, 81.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

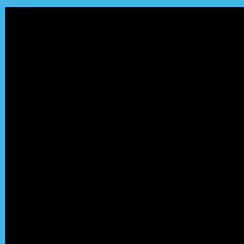
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

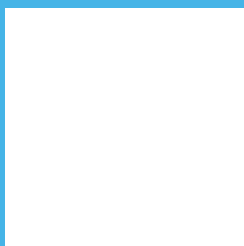
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1993, 39.6772, 81.5100

Background



This preview shows how black text looks on a background with the XYZ color 33.1993, 39.6772, 81.5100.

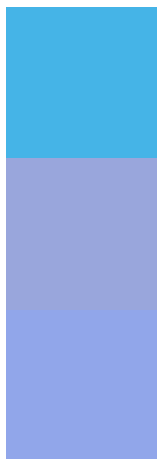


This preview shows how white text looks on a background with the XYZ color 33.1993, 39.6772,

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

33.1993, 39.6772, 81.5100

Protanopia

39.6914, 39.2120, 73.1869

Deuteranopia

40.1646, 39.2327, 83.2977



Tritanopia

29.1105, 39.5433, 61.3567

Trichromacy



Original Color

33.1993, 39.6772, 81.5100

Protanomaly

36.0435, 38.6452, 76.0806

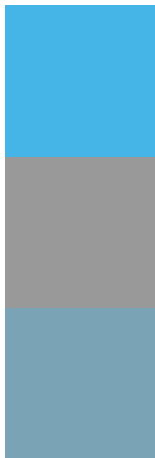
Deuteranomaly

36.6070, 38.7909, 82.6488

Tritanomaly

30.4480, 39.4612, 68.2993

Monochromacy



Original Color

33.1993, 39.6772, 81.5100

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.4637, 33.6682, 48.6618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1993, 39.6772, 81.5100 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(69, 180, 231)` looks like.

```
.text, #text, p{  
    color:rgb(69, 180, 231)  
}
```

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(69, 180, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 180, 231) }
```

Border

The CSS property to change the border of an element to XYZ 33.1993, 39.6772, 81.5100 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(69, 180, 231) }
```


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

```
.border{ border-color:rgb(69, 180, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 180, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 180, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 180, 231);  
box-shadow:4px 4px 4px 4px rgb(69, 180,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1993, 39.6772, 81.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 180, 231) }
```

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

```
.background{ background-color: rgb(69, 180,  
231) }
```

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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