

Converting Colors

XYZ(33.3258, 39.3444, 76.5503)

Have a look what the booklet for
XYZ(33.3258, 39.3444, 76.5503)
contains.

XYZ(33.2127, 39.2010, 76.3371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2127, 39.2010,
76.3371)**

Conversions

Conversions Part 1

Format	Color
Hex	56B2E0
RGB	86, 178, 224
RGB Percent	34%, 70%, 88%
CMY	0.6627, 0.3020, 0.1216
CMYK	0.62, 0.21, 0.00, 0.12
HSL	200°, 69%, 61%
HSV	200°, 62%, 88%
XYZ	33.2127, 39.2010, 76.3371
YIQ	155.7360, -69.5980, -5.1980

Conversions

Conversions Part 2

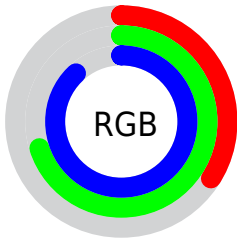
Format	Color
R _{YB}	86, 141, 224
Decimal	5681888
CIE _{Lab}	68.90, -13.76, -31.30
CIE _{LCh}	69, 34.190, 246.271
Y _{xy}	39.2010, 0.2233, 0.2635
Android (android.graphics.Color)	4283871968 (0xFF56B2E0)
YUV	155.7360, 33.6542, -61.1585
Hunter-Lab	62.6107, -14.8810, -28.4609

Details

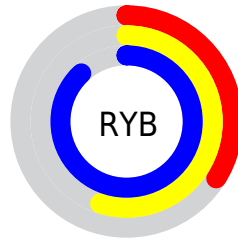
The XYZ color **33.2127, 39.2010, 76.3371** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.6730, 33.0238, 13.0363**, and the grayscale version is **31.3609, 32.9941, 35.9306**.

A 20% lighter version of the original color is **59.5054, 72.2687, 105.4207**, and **14.4950, 17.5318, 40.1561** is the 20% darker color. If you saturate the color by 10%, you get **30.0189, 35.4094, 75.7743**, and if you desaturate by 10%, it is **37.1361, 43.4902, 76.9590**.

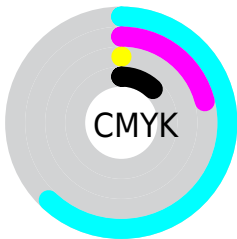
Distribution



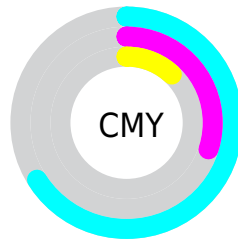
- Red (34%)
- Green (70%)
- Blue (88%)



- Red (34%)
- Yellow (55%)
- Blue (88%)



- Cyan (62%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (66%)
- Magenta (30%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2127, 39.2010, 76.3371 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 33.2127, 39.2010, 76.3371 by changing the saturation by 10% instead.

■ 33.2127, 39.2010,
76.3371

■ 33.2127, 39.2010,
76.3371

308.2551,
342.7443, 501.8784

■ 22.4495, 26.9161,
56.2007

■ 64.0599, 73.9453,
129.9678

■ 14.3060, 17.5102,
39.9588

■ 84.8746, 97.1735,
164.2991

■ 8.4169, 10.5989,
27.1928

■ 109.7705,
124.8182, 204.1990

■ 4.4169, 5.7978,
17.4844

■ 139.1129,
157.2640, 250.0863

■ 1.9406, 2.7226,
10.4149

173.2672,
194.8950, 302.3793

■ 0.6003, 0.9887,
5.5657

212.5988,

■ 0.0000, 0.0000,

238.0958, 361.4966

2.5184

257.4730,
287.2508, 427.8568

■ 0.0000, 0.0000,
0.8499

■ 0.0000, 0.0000,
0.0000

■ 33.2127, 39.2010,
76.3371

■ 33.2127, 39.2010,
76.3371

■ 30.0189, 35.4094,
75.7743

■ 37.1361, 43.4902,
76.9590

■ 27.4868, 32.0763,
75.2644

■ 41.8409, 48.3035,
77.6401

■ 25.5413, 29.1619,
74.8044

■ 47.3786, 53.6699,
78.3840

■ 24.2548, 26.9822,
74.4515

■ 53.7949, 59.6147,
79.1933

61.1318, 66.1613,
80.0702

69.4289, 73.3317,
81.0169

78.7229, 81.1467,
82.0355

85.1928, 87.6380,
82.9475

87.4089, 92.0703,
83.6862

Harmonies

Analogous

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



29.4577, 39.2010, 62.9360



33.2127, 39.2010, 76.3371



38.4118, 39.2010, 79.8517

Triad

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



33.2127, 39.2010, 76.3371



48.6346, 39.2010, 39.4988



31.4161, 39.2010, 22.8250

Complementary

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



33.2127, 39.2010, 76.3371



40.6730, 33.0238, 13.0363

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.



36.1302, 39.2010, 19.3209



33.2127, 39.2010, 76.3371



46.3296, 39.2010, 27.3209

Square

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



33.2127, 39.2010, 76.3371



47.6613, 39.2010, 55.8863



41.6221, 39.2010, 20.7395



28.4930, 39.2010, 31.7429

Rectangle

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



33.2127, 39.2010, 76.3371



42.0757, 39.2010, 75.5140



41.6221, 39.2010, 20.7395



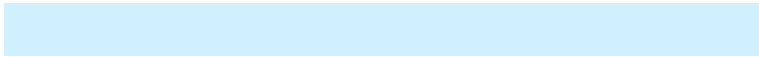
32.8254, 39.2010, 21.0880

Sweetspot

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



33.2140, 39.2024, 76.3381



75.4445, 82.9334, 106.6391



34.6597, 56.9568, 30.9988



15.5544, 17.2156, 22.7531



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.



33.2140, 39.2024, 76.3381



39.1884, 46.1313, 101.4465



22.7625, 18.2994, 72.8542



13.7116, 14.7623, 17.5144



14.2277, 15.9249, 43.3723



1.0675, 1.2664, 3.0334

Inverse Universe

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



42.1053, 25.7187, 44.8657



52.7312, 29.0017, 52.7452



53.3080, 58.2938, 17.2479



14.0906, 13.8539, 16.2474



21.1217, 10.5157, 17.8384



1.5051, 0.7453, 1.4525

Previews

White Background



This preview shows how the XYZ color 33.2127, 39.2010, 76.3371 looks on a white background.

Color Contrast Check

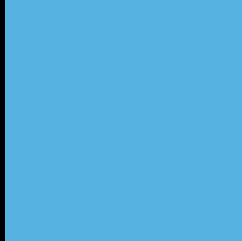
Large Text (above 18pt) WCAG AA × Fail

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 33.2127, 39.2010, 76.3371 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

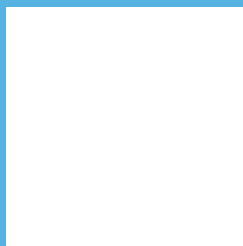
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2127, 39.2010, 76.3371

Background



This preview shows how black text looks on a background with the XYZ color 33.2127, 39.2010, 76.3371.

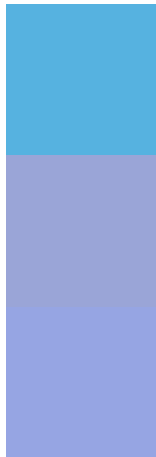


This preview shows how white text looks on a background with the XYZ color 33.2127, 39.2010,

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

33.2127, 39.2010, 76.3371

Protanopia

39.0473, 38.6866, 69.6992

Deuteranopia

39.8979, 38.9403, 78.0864



Tritanopia

29.9506, 39.4000, 59.4525

Trichromacy



Original Color

33.2127, 39.2010, 76.3371

Protanomaly

36.0829, 38.4785, 71.8550

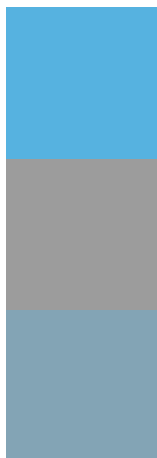
Deuteranomaly

36.8546, 38.7525, 77.4890

Tritanomaly

30.9282, 39.1724, 64.9624

Monochromacy



Original Color

33.2127, 39.2010, 76.3371

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9760, 34.7124, 48.7836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2127, 39.2010, 76.3371 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(86, 178, 224)` looks like.

```
.text, #text, p{  
    color:rgb(86, 178, 224)  
}
```

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(86, 178, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 178, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.2127, 39.2010, 76.3371 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(86, 178, 224) }
```


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

```
.border{ border-color:rgb(86, 178, 224) }
```

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

Here you see how a box with a 4 pixel rgb(86, 178, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 178, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 178, 224);  
box-shadow:4px 4px 4px 4px rgb(86, 178,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2127, 39.2010, 76.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 178, 224) }
```

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

```
.background{ background-color: rgb(86, 178,  
224) }
```

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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