

Converting Colors

XYZ(39.5553, 46.4525, 83.1773)

Have a look what the booklet for
XYZ(39.5553, 46.4525, 83.1773)
contains.

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Color

**XYZ(39.5030, 46.3390,
83.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBFE8
RGB	109, 191, 232
RGB Percent	43%, 75%, 91%
CMY	0.5725, 0.2510, 0.0902
CMYK	0.53, 0.18, 0.00, 0.09
HSL	200°, 73%, 67%
HSV	200°, 53%, 91%
XYZ	39.5030, 46.3390, 83.2062
YIQ	171.1560, -62.0330, -4.6330

Conversions

Conversions Part 2

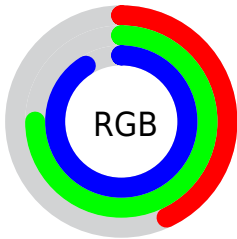
Format	Color
RYB	109, 158, 232
Decimal	7192552
CIELab	73.76, -13.78, -28.08
CIELCh	74, 31.282, 243.860
Yxy	46.3390, 0.2337, 0.2741
Android (android.graphics.Color)	4285382632 (0xFF6DBFE8)
YUV	171.1560, 29.9961, -54.5108
Hunter-Lab	68.0728, -15.5428, -24.8200

Details

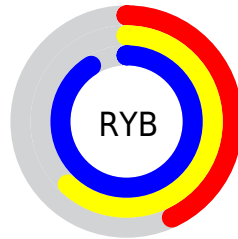
The XYZ color **39.5030, 46.3390, 83.2062** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9468, 40.0744, 19.7306**, and the grayscale version is **38.6649, 40.6784, 44.2988**.

A 20% lighter version of the original color is **67.4592, 82.0664, 106.8927**, and **18.0071, 21.8694, 44.3464** is the 20% darker color. If you saturate the color by 10%, you get **35.3747, 41.7738, 82.5435**, and if you desaturate by 10%, it is **44.4765, 51.4740, 83.9361**.

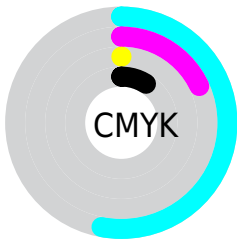
Distribution



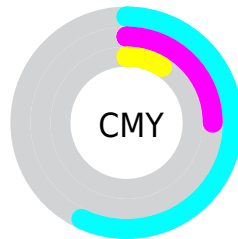
- Red (43%)
- Green (75%)
- Blue (91%)



- Red (43%)
- Yellow (62%)
- Blue (91%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (57%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5030, 46.3390, 83.2062 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 39.5030, 46.3390, 83.2062 by changing the saturation by 10% instead.

■ 39.5030, 46.3390,
83.2062

■ 39.5030, 46.3390,
83.2062

335.1948,
372.1699, 525.6625

■ 27.3337, 32.5134,
61.8187

■ 73.6953, 84.7261,
139.7160

■ 17.9619, 21.7540,
44.4514

■ 96.4490, 110.0564,
175.6754

■ 11.0222, 13.6762,
30.6857

■ 123.4616,
139.9905, 217.3292

■ 6.1491, 7.8958,
20.1032

155.0983,
174.9126, 265.0959

■ 2.9775, 4.0284,
12.2853

191.7247,
215.2072, 319.3940

■ 1.1419, 1.6894,
6.8134

233.7060,

■ 0.0597, 0.4168,

261.2587, 380.6421

3.2690

281.4076,
313.4514, 449.2587

■ 0.0000, 0.0000,
1.2336

■ 0.0000, 0.0000,
0.0064

■ 39.5030, 46.3390,
83.2062

■ 39.5030, 46.3390,
83.2062

■ 35.3747, 41.7738,
82.5435

■ 44.4765, 51.4740,
83.9361

■ 32.0250, 37.7392,
81.9413

■ 50.3459, 57.2042,
84.7328

■ 29.3840, 34.1980,
81.3970

■ 57.1632, 63.5591,
85.6001

■ 27.3657, 31.1039,
80.9061

■ 64.9749, 70.5646,
86.5406

■ 26.2317, 29.1584,
80.5903

■ 73.8241, 78.2449,
87.5566

■ 83.7515, 86.6226,
88.6504

■ 88.4994, 92.4737,
89.5296

■ 90.8898, 97.2547,
90.3264

■ 91.5656, 98.6063,
90.5517

Harmonies

Analogous

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



35.7550, 46.3390, 69.4936



39.5030, 46.3390, 83.2062



44.7669, 46.3390, 87.5506

Triad

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



39.5030, 46.3390, 83.2062



55.5854, 46.3390, 48.4235



38.3558, 46.3390, 29.0750

Complementary

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



39.5030, 46.3390, 83.2062



46.9468, 40.0744, 19.7306

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.



43.3285, 46.3390, 25.6719



39.5030, 46.3390, 83.2062



53.5238, 46.3390, 35.2565

Square

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



39.5030, 46.3390, 83.2062



54.3470, 46.3390, 65.1702



48.9199, 46.3390, 27.6718



35.1328, 46.3390, 38.1409

Rectangle

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



39.5030, 46.3390, 83.2062



48.5080, 46.3390, 83.9263



48.9199, 46.3390, 27.6718



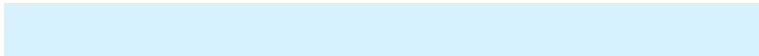
39.8623, 46.3390, 27.3286

Sweetspot

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



39.5045, 46.3407, 83.2073



77.4138, 84.6939, 106.8752



40.6698, 63.1676, 38.9052



16.1361, 17.7403, 22.8237



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.



39.5045, 46.3407, 83.2073



43.2372, 51.0721, 102.1868



28.7901, 24.9119, 79.6358



14.3815, 15.4844, 18.3751



14.6830, 16.4281, 44.7802



1.1696, 1.3831, 3.3373

Inverse Universe

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



48.1527, 31.8563, 52.9028



55.5454, 33.0779, 58.4691



59.4589, 65.0986, 23.9012



14.7802, 14.5293, 17.0427



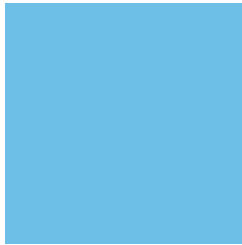
21.8048, 10.8561, 18.3990



1.6540, 0.8193, 1.5843

Previews

White Background



This preview shows how the XYZ color 39.5030, 46.3390, 83.2062 looks on a white background.

Color Contrast Check

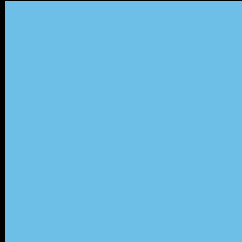
Large Text (above 18pt) WCAG AA × Fail

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 39.5030, 46.3390, 83.2062 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 39.5030, 46.3390, 83.2062

Background



This preview shows how black text looks on a background with the XYZ color 39.5030, 46.3390, 83.2062.

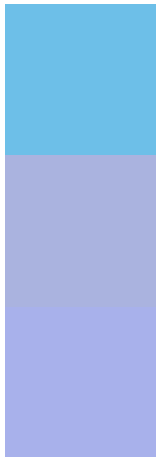


This preview shows how white text looks on a background with the XYZ color 39.5030, 46.3390,

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

39.5030, 46.3390, 83.2062

Protanopia

46.0169, 46.1140, 76.2876

Deuteranopia

46.8660, 45.7673, 84.9611



Tritanopia

36.5148, 46.4501, 68.0140

Trichromacy



Original Color

39.5030, 46.3390, 83.2062

Protanomaly

42.8737, 45.6539, 78.5039

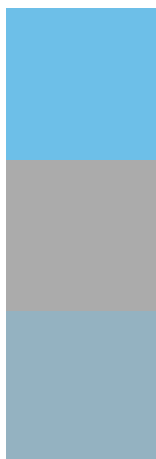
Deuteranomaly

43.6119, 45.5995, 84.3449

Tritanomaly

37.6556, 46.5886, 73.3375

Monochromacy



Original Color

39.5030, 46.3390, 83.2062

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.7588, 41.9869, 56.5663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5030, 46.3390, 83.2062 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(109, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 232)  
}
```

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(109, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.5030, 46.3390, 83.2062 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(109, 191, 232) }
```


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

```
.border{ border-color:rgb(109, 191, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 191, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 191, 232); box-shadow:4px 4px 4px 4px rgb(109, 191, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5030, 46.3390, 83.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 232) }
```

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

```
.background{ background-color: rgb(109,  
191, 232) }
```

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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