

Converting Colors

XYZ(39.7348, 43.6590, 80.7726)

Have a look what the booklet for
XYZ(39.7348, 43.6590, 80.7726)
contains.

XYZ(39.6232, 43.6251, 80.4609)	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(39.6232, 43.6251,
80.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB6E5
RGB	127, 182, 229
RGB Percent	50%, 71%, 90%
CMY	0.5019, 0.2863, 0.1020
CMYK	0.45, 0.21, 0.00, 0.10
HSL	208°, 66%, 70%
HSV	208°, 45%, 90%
XYZ	39.6232, 43.6251, 80.4609
YIQ	170.9130, -47.8670, 2.9570

Conversions

Conversions Part 2

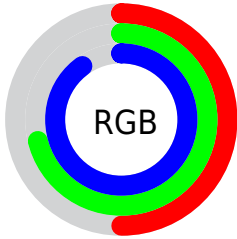
Format	Color
R_{YB}	127, 163, 229
Decimal	8369893
CIE _{Lab}	71.98, -5.70, -29.13
CIE _{LCh}	72, 29.684, 258.933
Yxy	43.6251, 0.2420, 0.2665
Android (android.graphics.Color)	4286559973 (0xFF7FB6E5)
YUV	170.9130, 28.6369, -38.5117
Hunter-Lab	66.0493, -8.5035, -25.9922

Details

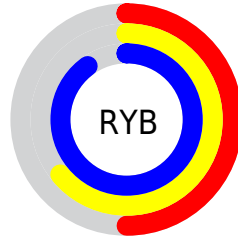
The XYZ color **39.6232, 43.6251, 80.4609** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.2810, 48.4636, 26.7318**, and the grayscale version is **38.5443, 40.5516, 44.1607**.

A 20% lighter version of the original color is **68.3917, 78.5594, 106.1666**, and **17.9916, 20.0572, 42.4583** is the 20% darker color. If you saturate the color by 10%, you get **34.5123, 37.9031, 79.6266**, and if you desaturate by 10%, it is **45.6749, 50.0757, 81.3878**.

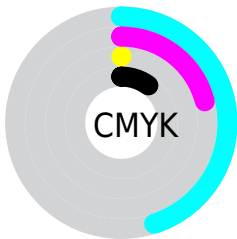
Distribution



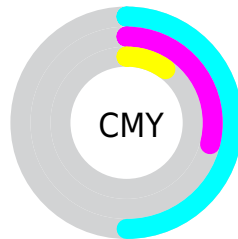
- Red (50%)
- Green (71%)
- Blue (90%)



- Red (50%)
- Yellow (64%)
- Blue (90%)



- Cyan (45%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6232, 43.6251, 80.4609 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 39.6232, 43.6251, 80.4609 by changing the saturation by 10% instead.

■ 39.6232, 43.6251,
80.4609

■ 39.6232, 43.6251,
80.4609

335.6946,
361.1762, 516.2324

■ 27.4278, 30.3759,
59.5693

■ 73.8774, 80.6533,
135.8308

■ 18.0330, 20.1241,
42.6486

■ 96.6669, 105.2011,
171.1462

■ 11.0735, 12.4853,
29.2801

■ 123.7184,
134.2839, 212.1065

■ 6.1840, 7.0751,
19.0454

155.3974,
168.2860, 259.1305

■ 2.9990, 3.5091,
11.5260

192.0691,
207.5919, 312.6365

■ 1.1532, 1.4029,
6.3032

234.0990,

■ 0.0690, 0.2189,

252.5860, 373.0431

2.9585

281.8524,
303.6526, 440.7689

■ 0.0000, 0.0000,
1.0735

■ 0.0000, 0.0000,
0.0000

■ 39.6232, 43.6251,
80.4609

■ 39.6232, 43.6251,
80.4609

■ 34.5123, 37.9031,
79.6266

■ 45.6749, 50.0757,
81.3878

■ 30.2812, 32.8701,
78.8782

■ 52.7146, 57.2816,
82.4077

■ 26.8675, 28.4896,
78.2126

■ 60.7915, 65.2740,
83.5247

■ 24.1982, 24.7181,
77.6253

■ 69.9500, 74.0807,
84.7418

■ 22.1842, 21.5038,
77.1110

■ 80.2316, 83.7278,
86.0620

■ 21.2859, 19.9431,
76.8571

■ 88.1307, 92.4125,
87.3220

■ 91.1430, 98.4372,
88.3261

Harmonies

Analogous

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



35.3909, 43.6251, 71.7798



39.6232, 43.6251, 80.4609



44.7046, 43.6251, 79.0621

Triad

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



39.6232, 43.6251, 80.4609



51.3735, 43.6251, 39.0145



34.5478, 43.6251, 31.4348

Complementary

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



39.6232, 43.6251, 80.4609



51.2810, 48.4636, 26.7318

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.



38.3845, 43.6251, 25.7039



39.6232, 43.6251, 80.4609



48.1957, 43.6251, 29.4249

Square

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



39.6232, 43.6251, 80.4609



51.7734, 43.6251, 53.0569



43.3617, 43.6251, 25.0520



32.6236, 43.6251, 42.3459

Rectangle

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



39.6232, 43.6251, 80.4609



47.8892, 43.6251, 72.6624



43.3617, 43.6251, 25.0520



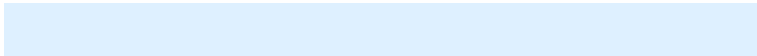
35.6414, 43.6251, 28.9425

Sweetspot

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



39.6246, 43.6267, 80.4619



79.2075, 84.8844, 106.8174



44.3061, 63.5650, 49.4200



16.4291, 17.6578, 22.7923



0.0000, 0.0000, 0.0000



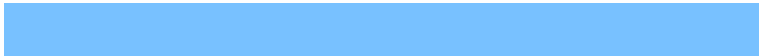
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6246, 43.6267, 80.4619



44.7843, 49.2211, 101.7480



31.1615, 26.7004, 77.6409



14.2234, 15.1681, 18.3224



12.2920, 11.6461, 43.9832



1.0010, 1.0460, 3.2811

Inverse Universe

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



48.3472, 35.2156, 48.5068



57.5335, 38.4949, 54.6897



62.7736, 71.4489, 30.5626



14.7003, 14.4973, 16.6224



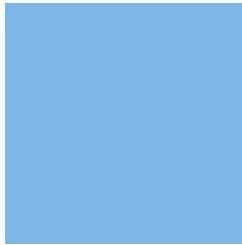
20.5979, 10.3734, 12.0436



1.5689, 0.7853, 1.1364

Previews

White Background



This preview shows how the XYZ color 39.6232, 43.6251, 80.4609 looks on a white background.

Color Contrast Check

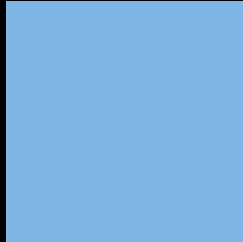
Large Text (above 18pt) WCAG AA × Fail

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 39.6232, 43.6251, 80.4609 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 39.6232, 43.6251, 80.4609

Background



This preview shows how black text looks on a background with the XYZ color 39.6232, 43.6251, 80.4609.



This preview shows how white text looks on a background with the XYZ color 39.6232, 43.6251,

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

39.6232, 43.6251, 80.4609

Protanopia

43.5596, 43.3863, 75.8906

Deuteranopia

44.4716, 43.4432, 81.6428



Tritanopia

36.0387, 43.7269, 62.4178

Trichromacy



Original Color

39.6232, 43.6251, 80.4609

Protanomaly

41.8904, 43.3646, 77.3965

Deuteranomaly

42.3859, 43.2479, 80.9766

Tritanomaly

37.2587, 43.5890, 68.7371

Monochromacy



Original Color

39.6232, 43.6251, 80.4609

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3620, 41.4343, 55.8449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6232, 43.6251, 80.4609 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(127, 182, 229)` looks like.

```
.text, #text, p{  
    color:rgb(127, 182, 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(127, 182, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 182, 229) }
```

Border

The CSS property to change the border of an element to XYZ 39.6232, 43.6251, 80.4609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

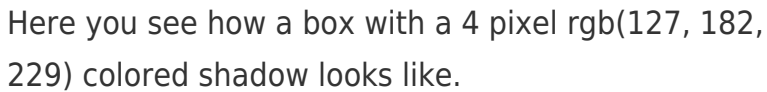
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 182, 229) }
```


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

```
.border{ border-color:rgb(127, 182, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 182, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 182, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 182, 229); box-shadow:4px 4px 4px 4px rgb(127, 182, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6232, 43.6251, 80.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 182, 229) }
```

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

```
.background{ background-color: rgb(127,  
182, 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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