

Converting Colors

XYZ(39.7663, 45.9570, 91.0814)

Have a look what the booklet for
XYZ(39.7663, 45.9570, 91.0814)
contains.

XYZ(39.6960, 45.9470, 90.7809)	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(39.6960, 45.9470,
90.7809)**

Conversions

Conversions Part 1

Format	Color
Hex	64BEF2
RGB	100, 190, 242
RGB Percent	39%, 75%, 95%
CMY	0.6078, 0.2549, 0.0510
CMYK	0.59, 0.21, 0.00, 0.05
HSL	202°, 85%, 67%
HSV	202°, 59%, 95%
XYZ	39.6960, 45.9470, 90.7809
YIQ	169.0180, -70.3320, -2.9080

Conversions

Conversions Part 2

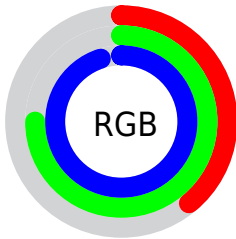
Format	Color
RYB	100, 155, 242
Decimal	6602482
CIELab	73.51, -12.08, -33.91
CIELCh	74, 35.997, 250.390
Yxy	45.9470, 0.2250, 0.2604
Android (android.graphics.Color)	4284792562 (0xFF64BEF2)
YUV	169.0180, 35.9801, -60.5288
Hunter-Lab	67.7842, -14.0887, -31.9560

Details

The XYZ color **39.6960, 45.9470, 90.7809** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.1482, 42.2561, 17.5716**, and the grayscale version is **37.5752, 39.5320, 43.0504**.

A 20% lighter version of the original color is **65.7037, 80.7086, 106.7231**, and **18.1619, 21.6186, 49.6700** is the 20% darker color. If you saturate the color by 10%, you get **35.5448, 41.0444, 90.0543**, and if you desaturate by 10%, it is **44.7617, 51.4961, 91.5859**.

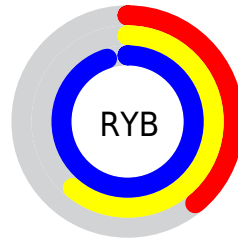
Distribution



Red (39%)

Green (75%)

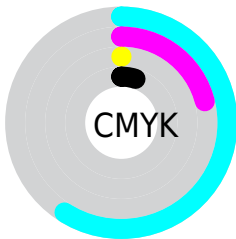
Blue (95%)



Red (39%)

Yellow (61%)

Blue (95%)

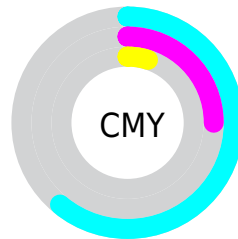


Cyan (59%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (61%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6960, 45.9470, 90.7809 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 39.6960, 45.9470, 90.7809 by changing the saturation by 10% instead.

■ 39.6960, 45.9470,
90.7809

■ 39.6960, 45.9470,
90.7809

335.9970,
370.5955, 551.2033

■ 27.4848, 32.2040,
68.0511

■ 73.9877, 84.1397,
150.3676

■ 18.0761, 21.5174,
49.4724

■ 96.7988, 109.3581,
188.0616

■ 11.1046, 13.5027,
34.6261

■ 123.8739,
139.1705, 231.5808

■ 6.2051, 7.7756,
23.0938

■ 155.5784,
173.9613, 281.3438

■ 3.0120, 3.9517,
14.4568

192.2776,
214.1148, 337.7689

■ 1.1601, 1.6466,
8.2967

234.3369,

■ 0.0745, 0.3887,

260.0154, 401.2749

4.1949

282.1216,
312.0475, 472.2802

■ 0.0000, 0.0000,
1.7329

■ 0.0000, 0.0000,
0.3831

■ 39.6960, 45.9470,
90.7809

■ 39.6960, 45.9470,
90.7809

■ 35.5448, 41.0444,
90.0543

■ 44.7617, 51.4961,
91.5859

■ 32.2288, 36.7416,
89.3985

■ 50.8032, 57.7236,
92.4695

■ 29.6612, 32.9919,
88.8101

■ 57.8812, 64.6646,
93.4362

■ 27.7146, 29.7261,
88.2823

■ 66.0503, 72.3500,
94.4891

■ 27.4806, 29.3178,
88.2158

■ 75.3606, 80.8086,
95.6310

■ 85.8592, 90.0672,
96.8648

■ 92.0895, 97.3154,
97.9354

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



35.0072, 45.9470, 76.3135



39.6960, 45.9470, 90.7809



45.9130, 45.9470, 92.9649

Triad

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



39.6960, 45.9470, 90.7809



56.8312, 45.9470, 43.9770



36.2199, 45.9470, 27.8217

Complementary

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



39.6960, 45.9470, 90.7809



50.1482, 42.2561, 17.5716

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.



41.5037, 45.9470, 22.8912



39.6960, 45.9470, 90.7809



53.6584, 45.9470, 30.6003

Square

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



39.6960, 45.9470, 90.7809



56.2272, 45.9470, 62.7210



47.9034, 45.9470, 23.7670



33.1392, 45.9470, 39.1753

Rectangle

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



39.6960, 45.9470, 90.7809



50.1513, 45.9470, 86.7084



47.9034, 45.9470, 23.7670



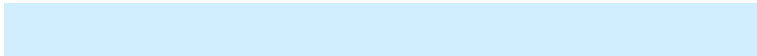
37.7749, 45.9470, 25.4997

Sweetspot

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



39.6976, 45.9487, 90.7820



75.0031, 82.0504, 106.4920



42.4901, 68.4072, 39.6943



15.4462, 16.9992, 22.7170



0.0000, 0.0000, 0.0000



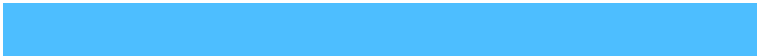
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6976, 45.9487, 90.7820



39.4044, 45.4450, 101.3027



28.1582, 22.8700, 86.9356



15.7324, 16.8990, 20.1543



14.8974, 16.0190, 47.4347



1.3338, 1.5215, 3.9776

Inverse Universe

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



50.4708, 31.7110, 52.1774



53.1132, 30.1997, 51.5347



64.6968, 71.3534, 22.4212



16.1944, 15.9275, 18.5799



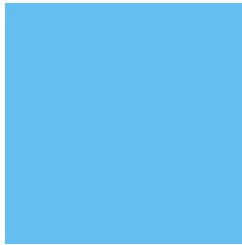
22.8451, 11.4105, 17.6329



1.9482, 0.9683, 1.7180

Previews

White Background



This preview shows how the XYZ color 39.6960, 45.9470, 90.7809 looks on a white background.

Color Contrast Check

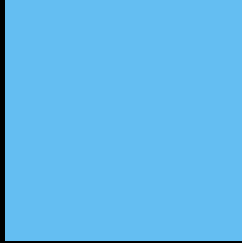
Large Text (above 18pt) WCAG AA × Fail

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 39.6960, 45.9470, 90.7809 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

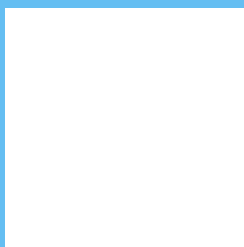
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6960, 45.9470, 90.7809

Background



This preview shows how black text looks on a background with the XYZ color 39.6960, 45.9470, 90.7809.

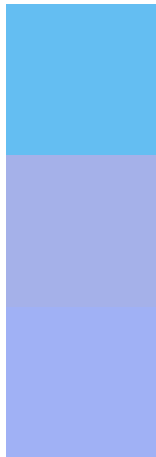


This preview shows how white text looks on a background with the XYZ color 39.6960, 45.9470,

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

39.6960, 45.9470, 90.7809

Protanopia

45.9472, 45.3268, 83.4181

Deuteranopia

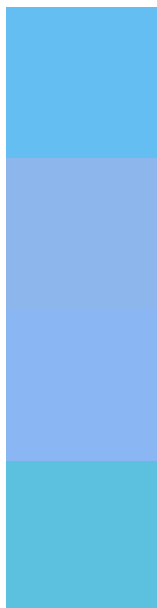
46.7008, 45.5104, 92.7092



Tritanopia

35.2035, 45.7596, 68.6051

Trichromacy



Original Color

39.6960, 45.9470, 90.7809

Protanomaly

42.8528, 45.1747, 85.8179

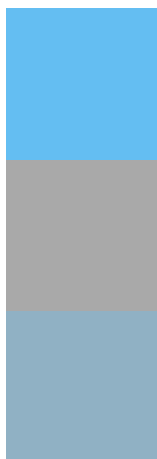
Deuteranomaly

43.5383, 45.3908, 92.0545

Tritanomaly

36.6684, 45.6892, 75.9935

Monochromacy



Original Color

39.6960, 45.9470, 90.7809

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.1875, 41.3591, 58.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6960, 45.9470, 90.7809 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(100, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(100, 190, 242)  
}
```

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(100, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 190, 242) }
```

Border

The CSS property to change the border of an element to XYZ 39.6960, 45.9470, 90.7809 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(100, 190, 242) }
```


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

```
.border{ border-color:rgb(100, 190, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(100, 190,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6960, 45.9470, 90.7809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 190, 242) }
```

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

```
.background{ background-color: rgb(100,  
190, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor