

Converting Colors

XYZ(36.6366, 44.3748, 90.4609)

Have a look what the booklet for
XYZ(36.6366, 44.3748, 90.4609)
contains.

XYZ(36.6872, 44.3960, 90.6401)	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(36.6872, 44.3960,
90.6401)**

Conversions

Conversions Part 1

Format	Color
Hex	42BEF2
RGB	66, 190, 242
RGB Percent	26%, 75%, 95%
CMY	0.7411, 0.2549, 0.0510
CMYK	0.73, 0.21, 0.00, 0.05
HSL	198°, 87%, 60%
HSV	198°, 73%, 95%
XYZ	36.6872, 44.3960, 90.6401
YIQ	158.8520, -90.5960, -10.1160

Conversions

Conversions Part 2

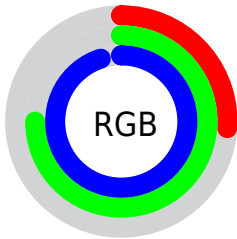
Format	Color
R _{YB}	66, 139, 242
Decimal	4374258
CIE _{Lab}	72.49, -17.38, -35.57
CIE _{LCh}	72, 39.588, 243.955
Y _{xy}	44.3960, 0.2136, 0.2585
Android (android.graphics.Color)	4282564338 (0xFF42BEF2)
YUV	158.8520, 40.9920, -81.4312
Hunter-Lab	66.6303, -18.3195, -34.0135

Details

The XYZ color **36.6872, 44.3960, 90.6401** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **44.0816, 32.2301, 9.0537**, and the grayscale version is **32.7375, 34.4424, 37.5078**.

A 20% lighter version of the original color is **60.9974, 78.2824, 106.5029**, and **17.8086, 21.4365, 49.6534** is the 20% darker color. If you saturate the color by 10%, you get **33.8774, 40.7052, 90.0767**, and if you desaturate by 10%, it is **40.2652, 48.5971, 91.2633**.

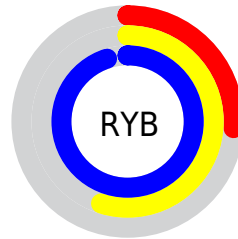
Distribution



Red (26%)

Green (75%)

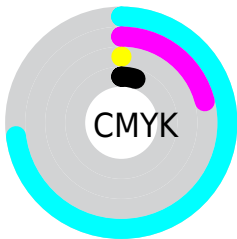
Blue (95%)



Red (26%)

Yellow (55%)

Blue (95%)

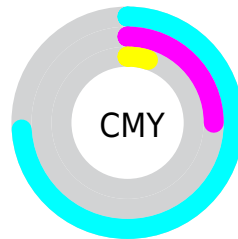


Cyan (73%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (74%)


Magenta (25%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6872, 44.3960, 90.6401 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 36.6872, 44.3960, 90.6401 by changing the saturation by 10% instead.


 36.6872, 44.3960,
90.6401


 36.6872, 44.3960,
90.6401


323.3334,
364.3218, 550.7346


 25.1380, 30.9819,
67.9350


 69.4084, 81.8133,
150.1705


 16.3091, 20.5851,
49.3785

 91.3111, 106.5853,
187.8328

 9.8354, 12.8211,
34.5521


 117.3956,
135.9121, 231.3179

 5.3514, 7.3054,
23.0373

 148.0273,
170.1781, 281.0444

 2.4917, 3.6539,
14.4155

183.5716,
209.7677, 337.4308

 0.8911, 1.4819,
8.2681

224.3938,

 0.0000, 0.2759,

255.0653, 400.8956

4.1768

270.8593,
306.4551, 471.8573

■ 0.0000, 0.0000,
1.7228

■ 0.0000, 0.0000,
0.3763

■ 36.6872, 44.3960,
90.6401

■ 36.6872, 44.3960,
90.6401

■ 33.8774, 40.7052,
90.0767

■ 40.2652, 48.5971,
91.2633


■ 31.7364, 37.4697,
89.5650


■ 44.6852, 53.3459,
91.9469


■ 30.4956, 35.3477,
89.2208


■ 50.0169, 58.6806,
92.6956


■ 56.3211, 64.6340,
93.5125

 63.6530, 71.2361,
94.4004

 72.0637, 78.5146,
95.3620

 81.6004, 86.4954,
96.3998

 90.5905, 94.3176,
97.4358

 92.8217, 98.7799,
98.1795

Harmonies

Analogous

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



32.2103, 44.3960, 72.5497



36.6872, 44.3960, 90.6401



43.1099, 44.3960, 96.4332

Triad

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



36.6872, 44.3960, 90.6401



56.7083, 44.3960, 45.7903



35.2757, 44.3960, 23.3638

Complementary

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



36.6872, 44.3960, 90.6401



44.0816, 32.2301, 9.0537

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.



41.2972, 44.3960, 19.6798



36.6872, 44.3960, 90.6401



54.0603, 44.3960, 30.2215

Square

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



36.6872, 44.3960, 90.6401



55.1364, 44.3960, 66.8146



48.2327, 44.3960, 21.8015



31.4592, 44.3960, 33.6291

Rectangle

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



36.6872, 44.3960, 90.6401



47.7596, 44.3960, 91.5246



48.2327, 44.3960, 21.8015



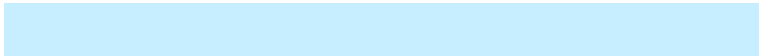
37.0841, 44.3960, 21.4623

Sweetspot

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



36.6887, 44.3976, 90.6412



72.2749, 80.7450, 106.3838



37.1451, 65.9216, 27.2513



14.9593, 16.8312, 22.7103



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.



36.6887, 44.3976, 90.6412



36.9769, 44.1356, 101.1779



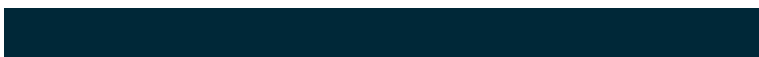
23.2394, 17.4988, 86.1581



15.8301, 17.0942, 20.1868



16.5067, 19.2376, 47.9711



1.4591, 1.7722, 4.0194

Inverse Universe

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



47.8618, 26.4930, 51.3078



51.0224, 26.0498, 50.7404



59.1640, 62.3949, 14.0811



16.2437, 15.9472, 18.8393



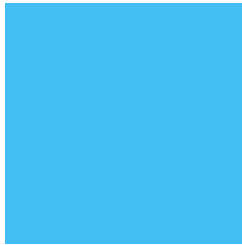
23.6574, 11.7354, 21.9104



2.0114, 0.9936, 2.0511

Previews

White Background



This preview shows how the XYZ color 36.6872, 44.3960, 90.6401 looks on a white background.

Color Contrast Check

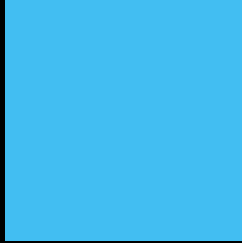
Large Text (above 18pt) WCAG AA × Fail

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 36.6872, 44.3960, 90.6401 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

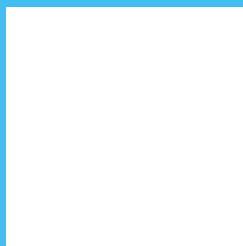
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6872, 44.3960, 90.6401

Background



This preview shows how black text looks on a background with the XYZ color 36.6872, 44.3960, 90.6401.

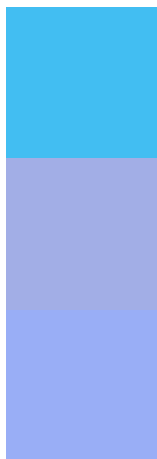


This preview shows how white text looks on a background with the XYZ color 36.6872, 44.3960,

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

36.6872, 44.3960, 90.6401

Protanopia

44.3193, 43.6667, 80.9555

Deuteranopia

44.9075, 43.6982, 93.2565



Tritanopia

32.1874, 44.2048, 68.4639

Trichromacy



Original Color

36.6872, 44.3960, 90.6401

Protanomaly

39.9249, 43.0951, 84.0558

Deuteranomaly

40.6878, 43.3000, 92.5995

Tritanomaly

33.5702, 44.0920, 75.8485

Monochromacy



Original Color

36.6872, 44.3960, 90.6401

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0175, 36.7835, 53.5565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6872, 44.3960, 90.6401 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(66, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 190, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.6872, 44.3960, 90.6401 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(66, 190, 242) }
```


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

```
.border{ border-color:rgb(66, 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(66, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(66, 190,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6872, 44.3960, 90.6401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 190, 242) }
```

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

```
.background{ background-color: rgb(66, 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