

Converting Colors

XYZ(36.7437, 46.4966, 86.3950)

Have a look what the booklet for
XYZ(36.7437, 46.4966, 86.3950)
contains.

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Color

**XYZ(36.7437, 46.4966,
86.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC4EC
RGB	60, 196, 236
RGB Percent	24%, 77%, 93%
CMY	0.7647, 0.2314, 0.0745
CMYK	0.75, 0.17, 0.00, 0.07
HSL	194°, 82%, 58%
HSV	194°, 75%, 93%
XYZ	36.7437, 46.4966, 86.3950
YIQ	159.8960, -93.8960, -16.3920

Conversions

Conversions Part 2

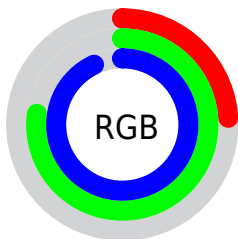
Format	Color
RYB	60, 137, 236
Decimal	3982572
CIELab	73.87, -23.12, -30.21
CIELCh	74, 38.044, 232.579
Yxy	46.4966, 0.2166, 0.2741
Android (android.graphics.Color)	4282172652 (0xFF3CC4EC)
YUV	159.8960, 37.5193, -87.6088
Hunter-Lab	68.1884, -23.1440, -27.3888

Details

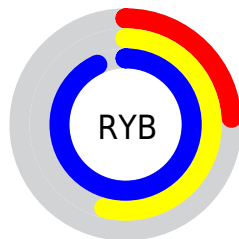
The XYZ color **36.7437, 46.4966, 86.3950** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.9667, 27.2760, 7.4351**, and the grayscale version is **33.2317, 34.9623, 38.0740**.

A 20% lighter version of the original color is **62.5354, 82.2959, 107.1965**, and **17.9112, 22.6413, 46.6062** is the 20% darker color. If you saturate the color by 10%, you get **34.4346, 43.5429, 85.9475**, and if you desaturate by 10%, it is **39.7343, 49.8675, 86.8889**.

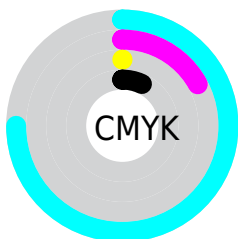
Distribution



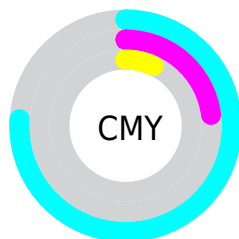
- Red (24%)
- Green (77%)
- Blue (93%)



- Red (24%)
- Yellow (54%)
- Blue (93%)



- Cyan (75%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (76%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7437, 46.4966, 86.3950 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 36.7437, 46.4966, 86.3950 by changing the saturation by 10% instead.

36.7437, 46.4966,
86.3950

36.7437, 46.4966,
86.3950

323.5744,
372.8016, 536.4973

25.1819, 32.6379,
64.4379

69.4948, 84.9617,
144.2120

16.3421, 21.8492,
46.5570

91.4148, 110.3369,
180.9090

9.8589, 13.7461,
32.3337

117.5182,
140.3197, 223.3563

5.3671, 7.9443,
21.3496

148.1705,
175.2945, 271.9725

2.5012, 4.0593,
13.1861

183.7368,
215.6457, 327.1762

0.8958, 1.7068,
7.4246

224.5827,

0.0000, 0.4281,

261.7576, 389.3858

3.6466

271.0734,
314.0148, 459.0200

■ 0.0000, 0.0000,
1.4335

■ 0.0000, 0.0000,
0.1677

■ 36.7437, 46.4966,
86.3950

■ 36.7437, 46.4966,
86.3950

■ 34.4346, 43.5429,
85.9475

■ 39.7343, 49.8675,
86.8889

■ 32.7102, 40.9534,
85.5385

■ 43.4771, 53.6903,
87.4295

■ 31.9428, 39.6609,
85.3295

■ 48.0387, 58.0006,
88.0211

■ 53.4768, 62.8289,
88.6664

■ 59.8438, 68.2029,
89.3681

■ 67.1877, 74.1479,
90.1286

■ 75.5532, 80.6875,
90.9499

■ 84.9822, 87.8439,
91.8343

■ 88.8146, 92.1844,
92.4701

Harmonies

Analogous

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



33.2276, 46.4966, 66.3376



36.7437, 46.4966, 86.3950



42.5329, 46.4966, 97.3417

Triad

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



36.7437, 46.4966, 86.3950



58.4044, 46.4966, 55.5982



39.3802, 46.4966, 23.4096

Complementary

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



36.7437, 46.4966, 86.3950



39.9667, 27.2760, 7.4351

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.



45.8970, 46.4966, 21.9200



36.7437, 46.4966, 86.3950



57.3404, 46.4966, 37.6159

Square

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



36.7437, 46.4966, 86.3950



55.3627, 46.4966, 76.8380



52.5881, 46.4966, 26.4097



34.6378, 46.4966, 31.1784

Rectangle

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



36.7437, 46.4966, 86.3950



47.0905, 46.4966, 96.4435



52.5881, 46.4966, 26.4097



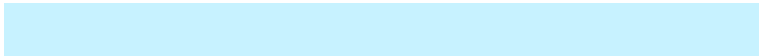
41.4180, 46.4966, 22.2552

Sweetspot

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



36.7453, 46.4983, 86.3961



73.4031, 83.0014, 106.7599



34.0714, 61.8372, 21.7309



15.2279, 17.3683, 22.7998



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.



36.7453, 46.4983, 86.3961



39.9852, 50.3775, 102.2241



22.5673, 18.1424, 81.6702



15.2105, 16.5075, 19.3068



17.7092, 22.0655, 47.0687



1.4614, 1.8744, 3.7196

Inverse Universe

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



46.1731, 25.0518, 54.6280



52.4859, 26.4247, 59.0961



52.9964, 53.3354, 11.7783



15.5598, 15.2518, 18.2332



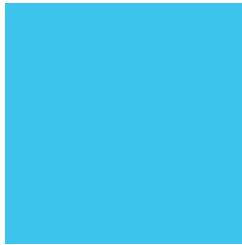
23.7941, 11.7203, 25.7808



1.9042, 0.9346, 2.2127

Previews

White Background



This preview shows how the XYZ color 36.7437, 46.4966, 86.3950 looks on a white background.

Color Contrast Check

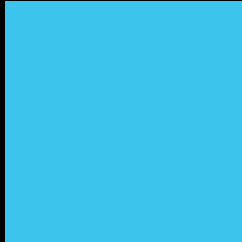
Large Text (above 18pt) WCAG AA × Fail

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 36.7437, 46.4966, 86.3950 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

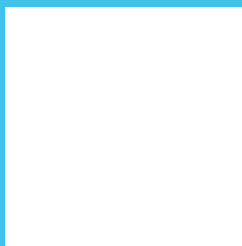
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7437, 46.4966, 86.3950

Background



This preview shows how black text looks on a background with the XYZ color 36.7437, 46.4966, 86.3950.



This preview shows how white text looks on a background with the XYZ color 36.7437, 46.4966,

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

36.7437, 46.4966, 86.3950

Protanopia

45.8172, 45.7146, 76.2210

Deuteranopia

46.9674, 45.7349, 88.7903



Tritanopia

33.7729, 46.2970, 72.1219

Trichromacy



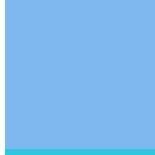
Original Color

36.7437, 46.4966, 86.3950



Protanomaly

40.5585, 45.0452, 79.9557



Deuteranomaly

41.4729, 45.0250, 88.1662



Tritanomaly

34.7800, 46.3688, 76.9290

Monochromacy



Original Color

36.7437, 46.4966, 86.3950



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.3329, 37.8031, 53.1696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7437, 46.4966, 86.3950 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(60, 196, 236)` looks like.

```
.text, #text, p{  
    color:rgb(60, 196, 236)  
}
```

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(60, 196, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 196, 236) }
```

Border

The CSS property to change the border of an element to XYZ 36.7437, 46.4966, 86.3950 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(60, 196, 236) }
```


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

```
.border{ border-color:rgb(60, 196, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 196, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(60, 196,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7437, 46.4966, 86.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 196, 236) }
```

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

```
.background{ background-color: rgb(60, 196,  
236) }
```

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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