

Converting Colors

XYZ(42.5359, 50.1552, 86.7958)

Have a look what the booklet for
XYZ(42.5359, 50.1552, 86.7958)
contains.

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Color

**XYZ(42.5369, 50.1573,
86.7963)**

Conversions

Conversions Part 1

Format	Color
Hex	74C6EC
RGB	116, 198, 236
RGB Percent	45%, 78%, 93%
CMY	0.5451, 0.2235, 0.0745
CMYK	0.51, 0.16, 0.00, 0.07
HSL	199°, 76%, 69%
HSV	199°, 51%, 93%
XYZ	42.5369, 50.1573, 86.7963
YIQ	177.8140, -61.0700, -5.5660

Conversions

Conversions Part 2

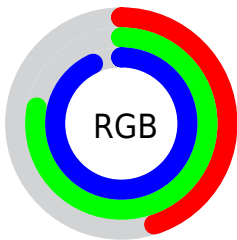
Format	Color
RYB	116, 165, 236
Decimal	7653100
CIELab	76.17, -14.81, -26.54
CIELCh	76, 30.391, 240.831
Yxy	50.1573, 0.2370, 0.2794
Android (android.graphics.Color)	4285843180 (0xFF74C6EC)
YUV	177.8140, 28.6857, -54.2109
Hunter-Lab	70.8218, -16.7278, -23.0881

Details

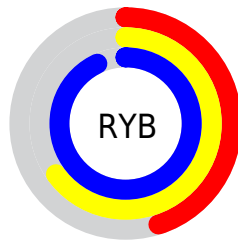
The XYZ color **42.5369, 50.1573, 86.7963** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.3015, 42.2067, 22.0730**, and the grayscale version is **42.0965, 44.2888, 48.2305**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **19.7328, 24.0261, 46.7775** is the 20% darker color. If you saturate the color by 10%, you get **38.1232, 45.4093, 86.1134**, and if you desaturate by 10%, it is **47.8349, 55.4884, 87.5470**.

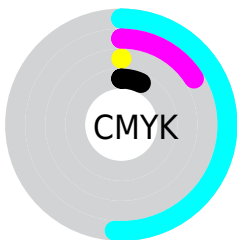
Distribution



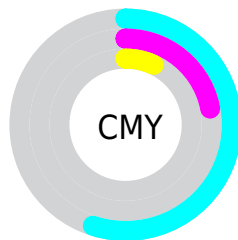
- Red (45%)
- Green (78%)
- Blue (93%)



- Red (45%)
- Yellow (65%)
- Blue (93%)



- Cyan (51%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (55%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5369, 50.1573, 86.7963 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 42.5369, 50.1573, 86.7963 by changing the saturation by 10% instead.

■ 42.5369, 50.1573,
86.7963

■ 42.5369, 50.1573,
86.7963

347.6577,
387.2808, 537.8521

■ 29.7149, 35.5384,
64.7680

■ 78.2716, 90.4079,
144.7765

■ 19.7693, 24.0779,
46.8228

■ 101.9151,
116.8084, 181.5656

■ 12.3347, 15.3914,
32.5423

■ 129.8963,
147.9048, 224.1119

■ 7.0459, 9.0946,
21.5078

162.5808,
184.0817, 272.8341

■ 3.5374, 4.8029,
13.3008

200.3338,
225.7233, 328.1506

■ 1.4439, 2.1321,
7.5029

243.5207,

■ 0.2872, 0.6826,

273.2141, 390.4801

3.6954

292.5069,
326.9385, 460.2411

■ 0.0000, 0.0000,
1.4597

■ 0.0000, 0.0000,
0.1877

■ 42.5369, 50.1573,
86.7963

■ 42.5369, 50.1573,
86.7963

■ 38.1232, 45.4093,
86.1134

■ 47.8349, 55.4884,
87.5470

■ 34.5261, 41.2046,
85.4914

■ 54.0686, 61.4277,
88.3648

■ 31.6755, 37.5062,
84.9278

■ 61.2910, 68.0053,
89.2538

■ 29.4857, 34.2682,
84.4182

■ 69.5496, 75.2473,
90.2164

■ 27.9323, 31.6398,
83.9927

■ 78.8886, 83.1783,
91.2550

■ 88.3841, 91.3234,
92.3267

■ 90.6645, 95.8841,
93.0868

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

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



38.8819, 50.1573, 72.2969



42.5369, 50.1573, 86.7963



47.8318, 50.1573, 92.3164

Triad

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



42.5369, 50.1573, 86.7963



59.4708, 50.1573, 54.1597



42.2827, 50.1573, 31.8836

Complementary

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



42.5369, 50.1573, 86.7963



49.3015, 42.2067, 22.0730

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.



47.5145, 50.1573, 28.8917



42.5369, 50.1573, 86.7963



57.6984, 50.1573, 40.0766

Square

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



42.5369, 50.1573, 86.7963



57.8787, 50.1573, 71.3523



53.2068, 50.1573, 31.5673



38.7436, 50.1573, 40.7203

Rectangle

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



42.5369, 50.1573, 86.7963



51.6705, 50.1573, 89.4450



53.2068, 50.1573, 31.5673



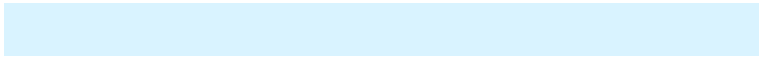
43.8872, 50.1573, 30.2500

Sweetspot

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



42.5385, 50.1592, 86.7975



78.6080, 85.9674, 107.0580



42.8669, 65.9722, 40.1823



16.3809, 18.0104, 22.8629



0.0000, 0.0000, 0.0000



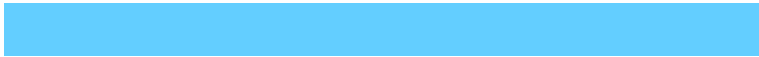
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5385, 50.1592, 86.7975



45.2544, 53.9170, 102.6296



31.7226, 28.5272, 83.1922



15.0921, 16.2706, 19.2674



15.5180, 17.6830, 46.3382



1.3043, 1.5601, 3.6673

Inverse Universe

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



51.0320, 34.4026, 57.3786



56.8540, 34.7129, 61.9327



61.2892, 66.1822, 26.0690



15.5000, 15.2279, 17.9185



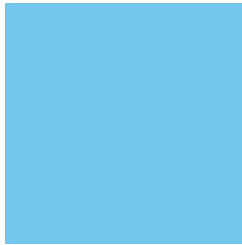
22.6881, 11.2779, 19.9565



1.8248, 0.9029, 1.7950

Previews

White Background



This preview shows how the XYZ color 42.5369, 50.1573, 86.7963 looks on a white background.

Color Contrast Check

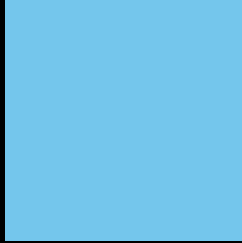
Large Text (above 18pt) WCAG AA × Fail

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 42.5369, 50.1573, 86.7963 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 42.5369, 50.1573, 86.7963

Background



This preview shows how black text looks on a background with the XYZ color 42.5369, 50.1573, 86.7963.



This preview shows how white text looks on a background with the XYZ color 42.5369, 50.1573,

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

42.5369, 50.1573, 86.7963

Protanopia

49.5742, 49.7090, 79.6550

Deuteranopia

50.6449, 49.4461, 88.5361



Tritanopia

39.8414, 50.0980, 73.2157

Trichromacy



Original Color

42.5369, 50.1573, 86.7963

Protanomaly

46.2140, 49.5086, 81.9833

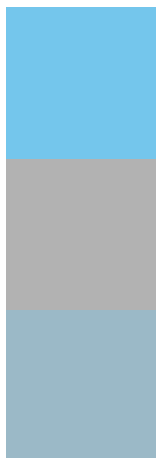
Deuteranomaly

46.9334, 49.1080, 87.8941

Tritanomaly

40.7909, 50.1351, 78.0481

Monochromacy



Original Color

42.5369, 50.1573, 86.7963

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.1753, 45.7900, 60.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5369, 50.1573, 86.7963 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(116, 198, 236)` looks like.

```
.text, #text, p{  
    color:rgb(116, 198, 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(116, 198, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 198, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.5369, 50.1573, 86.7963 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(116, 198, 236) }
```


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

```
.border{ border-color:rgb(116, 198, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 198, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 198, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 198, 236); box-shadow:4px 4px 4px 4px rgb(116, 198, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5369, 50.1573, 86.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 198, 236) }
```

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

```
.background{ background-color: rgb(116,  
198, 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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