

Converting Colors

XYZ(42.5289, 49.1608, 85.4683)

Have a look what the booklet for
XYZ(42.5289, 49.1608, 85.4683)
contains.

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Color

**XYZ(42.6789, 49.2393,
85.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC3EB
RGB	123, 195, 235
RGB Percent	48%, 76%, 92%
CMY	0.5176, 0.2353, 0.0784
CMYK	0.48, 0.17, 0.00, 0.08
HSL	201°, 74%, 70%
HSV	201°, 48%, 92%
XYZ	42.6789, 49.2393, 85.8520
YIQ	178.0320, -55.7520, -2.8240

Conversions

Conversions Part 2

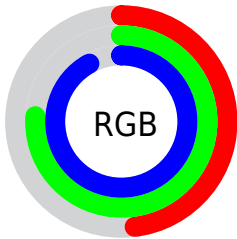
Format	Color
R _{YB}	123, 167, 235
Decimal	8111083
CIE Lab	75.60, -11.95, -26.84
CIE LCh	76, 29.377, 246.000
Yxy	49.2393, 0.2401, 0.2770
Android (android.graphics.Color)	4286301163 (0xFF7BC3EB)
YUV	178.0320, 28.0852, -48.2631
Hunter-Lab	70.1707, -14.2323, -23.4202

Details

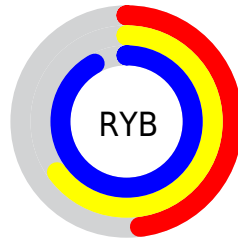
The XYZ color **42.6789, 49.2393, 85.8520** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9347, 45.2882, 24.7976**, and the grayscale version is **42.2125, 44.4109, 48.3634**.

A 20% lighter version of the original color is **71.9165, 86.6646, 107.5453**, and **19.7759, 23.3944, 46.1211** is the 20% darker color. If you saturate the color by 10%, you get **37.8843, 44.0549, 85.1049**, and if you desaturate by 10%, it is **48.3892, 55.0547, 86.6744**.

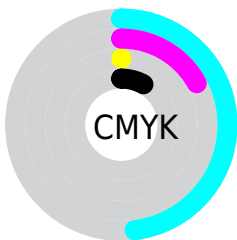
Distribution



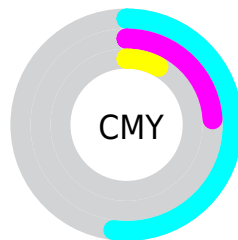
- Red (48%)
- Green (76%)
- Blue (92%)



- Red (48%)
- Yellow (65%)
- Blue (92%)



- Cyan (48%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6789, 49.2393, 85.8520 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 42.6789, 49.2393, 85.8520 by changing the saturation by 10% instead.

■ 42.6789, 49.2393,
85.8520

■ 42.6789, 49.2393,
85.8520

348.2335,
383.6836, 534.6610

■ 29.8267, 34.8093,
63.9914

■ 78.4848, 89.0468,
143.4477

■ 19.8545, 23.5160,
46.1976

■ 102.1692,
115.1931, 180.0198

■ 12.3970, 14.9750,
32.0520

■ 130.1951,
146.0136, 222.3329

■ 7.0887, 8.8019,
21.1360

162.9278,
181.8928, 270.8054

■ 3.5645, 4.6122,
13.0313

200.7326,
223.2150, 325.8559

■ 1.4588, 2.0216,
7.3191

243.9749,

■ 0.2976, 0.6200,

270.3646, 387.9030

3.5810

293.0201,
323.7260, 457.3652

■ 0.0000, 0.0000,
1.3984

■ 0.0000, 0.0000,
0.1405

■ 42.6789, 49.2393,
85.8520

■ 42.6789, 49.2393,
85.8520

■ 37.8843, 44.0549,
85.1049

■ 48.3892, 55.0547,
86.6744

■ 33.9402, 39.4623,
84.4263

■ 55.0650, 61.5263,
87.5717

■ 30.7797, 35.4255,
83.8137

■ 62.7579, 68.6840,
88.5478

■ 28.3229, 31.9004,
83.2628

■ 71.5143, 76.5542,
89.6054

■ 26.4621, 28.8290,
82.7680

■ 81.3774, 85.1615,
90.7470

■ 26.0739, 28.1549,
82.6584

■ 88.9970, 92.7811,
91.8161

■ 91.5990, 97.9851,
92.6834

■ 91.9956, 98.7782,
92.8156

Harmonies

Analogous

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



38.8477, 49.2393, 73.1914



42.6789, 49.2393, 85.8520



47.9010, 49.2393, 89.2106

Triad

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



42.6789, 49.2393, 85.8520



57.9774, 49.2393, 50.5461



40.9248, 49.2393, 32.8690

Complementary

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



42.6789, 49.2393, 85.8520



50.9347, 45.2882, 24.7976

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.



45.7169, 49.2393, 29.0242



42.6789, 49.2393, 85.8520



55.7707, 49.2393, 37.8804

Square

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



42.6789, 49.2393, 85.8520



57.0072, 49.2393, 66.7255



51.1792, 49.2393, 30.6632



37.8911, 49.2393, 42.3422

Rectangle

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



42.6789, 49.2393, 85.8520



51.5310, 49.2393, 85.2491



51.1792, 49.2393, 30.6632



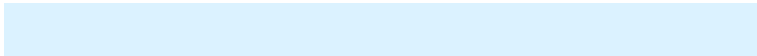
42.3687, 49.2393, 30.9685

Sweetspot

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



42.6805, 49.2412, 85.8532



79.1804, 85.9799, 107.0303



44.4176, 66.2446, 44.7230



16.4740, 17.9739, 22.8510



0.0000, 0.0000, 0.0000



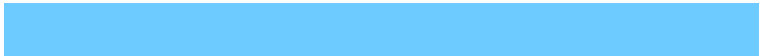
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6805, 49.2412, 85.8532



45.8141, 53.2669, 102.4746



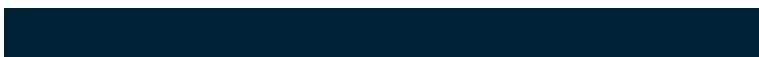
32.5143, 28.9087, 82.4644



15.0389, 16.1643, 19.2496



14.6360, 15.9191, 46.0443



1.2396, 1.4306, 3.6457

Inverse Universe

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



51.1956, 35.7699, 55.8375



57.5684, 36.6526, 60.5965



62.9606, 69.3401, 28.8062



15.4732, 15.2171, 17.7772



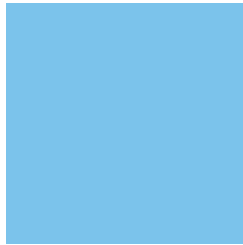
22.2429, 11.0998, 17.6123



1.7922, 0.8898, 1.6230

Previews

White Background



This preview shows how the XYZ color 42.6789, 49.2393, 85.8520 looks on a white background.

Color Contrast Check

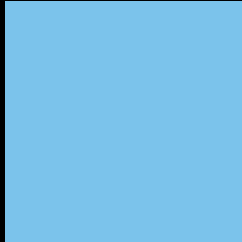
Large Text (above 18pt) WCAG AA × Fail

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 42.6789, 49.2393, 85.8520 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 42.6789, 49.2393, 85.8520

Background



This preview shows how black text looks on a background with the XYZ color 42.6789, 49.2393, 85.8520.



This preview shows how white text looks on a background with the XYZ color 42.6789, 49.2393,

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

42.6789, 49.2393, 85.8520

Protanopia

48.9101, 49.0571, 79.5642

Deuteranopia

50.0651, 48.8591, 87.6809



Tritanopia

40.0253, 49.5351, 71.7416

Trichromacy



Original Color

42.6789, 49.2393, 85.8520

Protanomaly

46.1708, 48.8477, 81.8580

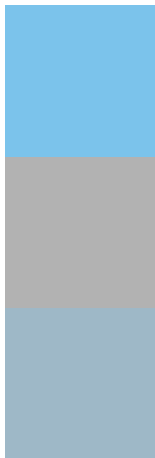
Deuteranomaly

46.9610, 48.8232, 87.0695

Tritanomaly

40.9866, 49.5840, 76.5177

Monochromacy



Original Color

42.6789, 49.2393, 85.8520

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.5498, 45.6736, 60.6588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6789, 49.2393, 85.8520 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(123, 195, 235)` looks like.

```
.text, #text, p{  
    color:rgb(123, 195, 235)  
}
```

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(123, 195, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 195, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.6789, 49.2393, 85.8520 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(123, 195, 235) }
```


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

```
.border{ border-color:rgb(123, 195, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 195, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 195, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 195, 235);  
box-shadow:4px 4px 4px 4px rgb(123, 195,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6789, 49.2393, 85.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 195, 235) }
```

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

```
.background{ background-color: rgb(123,  
195, 235) }
```

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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