

Converting Colors

XYZ(42.8461, 53.0316, 87.6548)

Have a look what the booklet for
XYZ(42.8461, 53.0316, 87.6548)
contains.

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Color

**XYZ(42.8051, 53.0823,
87.3467)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67CEEC |
| RGB | 103, 206, 236 |
| RGB Percent | 40%, 81%, 93% |
| CMY | 0.5961, 0.1921, 0.0745 |
| CMYK | 0.56, 0.13, 0.00, 0.07 |
| HSL | 194°, 78%, 66% |
| HSV | 194°, 56%, 93% |
| XYZ | 42.8051, 53.0823, 87.3467 |
| YIQ | 178.6230, -71.0180, -12.5060 |

Conversions

Conversions Part 2

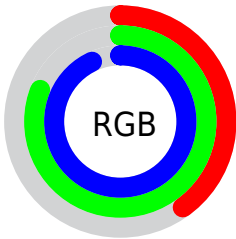
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 103, 161, 236 |
| Decimal | 6803180 |
| CIE _{Lab} | 77.92, -21.59, -23.90 |
| CIE _{LCh} | 78, 32.203, 227.907 |
| Y _{xy} | 53.0823, 0.2336, 0.2897 |
| Android (android.graphics.Color) | 4284993260 (0xFF67CEEC) |
| YUV | 178.6230, 28.2869, -66.3214 |
| Hunter-Lab | 72.8576, -22.6290, -20.0806 |

Details

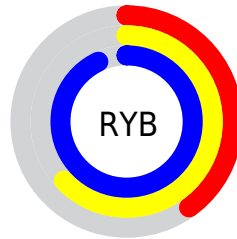
The XYZ color **42.8051, 53.0823, 87.3467** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.4291, 35.5887, 17.3085**, and the grayscale version is **42.5303, 44.7452, 48.7275**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **20.0019, 26.0278, 47.1497** is the 20% darker color. If you saturate the color by 10%, you get **39.2110, 49.3602, 86.8187**, and if you desaturate by 10%, it is **47.2098, 57.2889, 87.9275**.

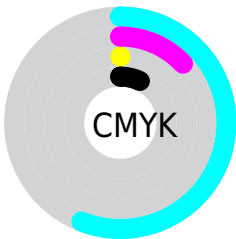
Distribution



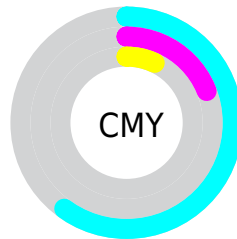
- Red (40%)
- Green (81%)
- Blue (93%)



- Red (40%)
- Yellow (63%)
- Blue (93%)



- Cyan (56%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8051, 53.0823, 87.3467 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 42.8051, 53.0823, 87.3467 by changing the saturation by 10% instead.

■ 42.8051, 53.0823,
87.3467

■ 42.8051, 53.0823,
87.3467

348.7447,
398.6008, 539.7072

■ 29.9261, 37.8685,
65.2209

■ 78.6742, 94.7255,
145.5504

■ 19.9303, 25.8806,
47.1877

■ 102.3950,
121.9236, 182.4654

■ 12.4523, 16.7344,
32.8287

■ 130.4605,
153.8853, 225.1472

■ 7.1269, 10.0453,
21.7252

163.2359,
190.9949, 274.0143

■ 3.5886, 5.4290,
13.4587

201.0867,
233.6369, 329.4854

■ 1.4722, 2.5011,
7.6108

244.3782,

■ 0.3068, 0.8772,

282.1956, 391.9788

3.7627

293.4758,
337.0554, 461.9133

■ 0.0000, 0.0000,
1.4961

■ 0.0000, 0.0000,
0.2150

■ 42.8051, 53.0823,
87.3467

■ 42.8051, 53.0823,
87.3467

■ 39.2110, 49.3602,
86.8187

■ 47.2098, 57.2889,
87.9275

■ 36.3557, 46.0817,
86.3363

■ 52.4788, 62.0051,
88.5601

■ 34.1633, 43.2081,
85.8972

■ 58.6670, 67.2607,
89.2484

■ 32.5367, 40.6886,
85.4967

■ 65.8232, 73.0817,
89.9948

■ 32.0265, 39.8281,
85.3575

■ 73.9926, 79.4918,
90.8015

■ 83.2174, 86.5135,
91.6706

■ 88.5106, 91.5764,
92.3688

■ 90.1292, 94.8136,
92.9084

■ 91.7944, 98.1439,
93.4634

Harmonies

Analogous

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



39.8418, 53.0823, 69.0615



42.8051, 53.0823, 87.3467



47.9727, 53.0823, 98.4951

Triad

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



42.8051, 53.0823, 87.3467



63.1653, 53.0823, 65.3263



46.8409, 53.0823, 30.8038

Complementary

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



42.8051, 53.0823, 87.3467



45.4291, 35.5887, 17.3085

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.



53.0177, 53.0823, 30.2125



42.8051, 53.0823, 87.3467



62.7988, 53.0823, 47.8303

Square

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



42.8051, 53.0823, 87.3467



59.9253, 53.0823, 84.1297



58.9619, 53.0823, 35.8003



42.0357, 53.0823, 37.6279

Rectangle

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



42.8051, 53.0823, 87.3467



52.1277, 53.0823, 99.1202



58.9619, 53.0823, 35.8003



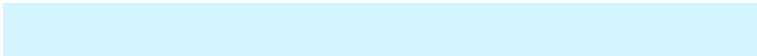
48.8148, 53.0823, 29.9296

Sweetspot

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



42.8068, 53.0843, 87.3480



77.8202, 86.6044, 107.2225



39.7427, 64.5366, 32.1280



16.2716, 18.2275, 22.9106



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.



42.8068, 53.0843, 87.3480



46.0222, 58.0505, 103.3870



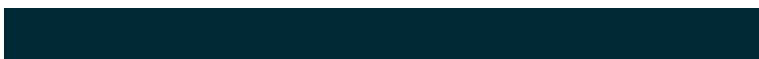
30.2137, 27.8980, 83.1503



15.2128, 16.5121, 19.3076



17.7548, 22.1567, 47.0839



1.4647, 1.8808, 3.7207

Inverse Universe

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



50.5843, 31.9912, 61.9034



56.6074, 32.1865, 68.1191



57.3081, 59.3468, 21.2682



15.5610, 15.2522, 18.2394



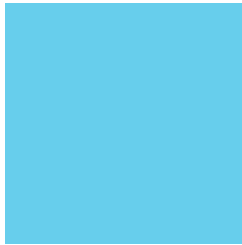
23.8171, 11.7295, 25.9020



1.9058, 0.9353, 2.2213

Previews

White Background



This preview shows how the XYZ color 42.8051, 53.0823, 87.3467 looks on a white background.

Color Contrast Check

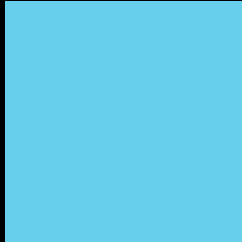
Large Text (above 18pt) WCAG AA × Fail

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 42.8051, 53.0823, 87.3467 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

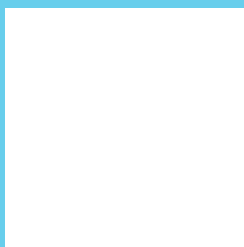
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8051, 53.0823, 87.3467

Background



This preview shows how black text looks on a background with the XYZ color 42.8051, 53.0823, 87.3467.

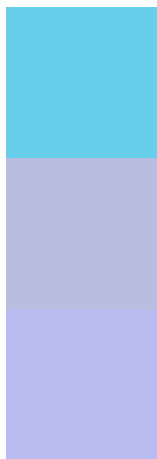


This preview shows how white text looks on a background with the XYZ color 42.8051, 53.0823,

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

42.8051, 53.0823, 87.3467

Protanopia

52.0116, 52.5774, 78.6413

Deuteranopia

53.7190, 52.5720, 89.7542



Tritanopia

41.2921, 53.2006, 79.3266

Trichromacy



Original Color

42.8051, 53.0823, 87.3467

Protanomaly

47.4004, 52.1056, 81.6879

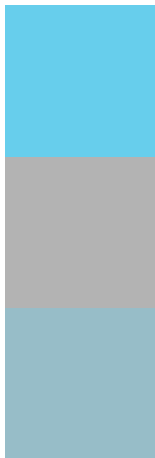
Deuteranomaly

48.6127, 52.2308, 89.1807

Tritanomaly

41.7112, 52.9921, 82.1588

Monochromacy



Original Color

42.8051, 53.0823, 87.3467

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3854, 47.1446, 61.5622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8051, 53.0823, 87.3467 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(103, 206, 236)` looks like.

```
.text, #text, p{  
    color:rgb(103, 206, 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(103, 206, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 206, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.8051, 53.0823, 87.3467 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(103, 206, 236) }
```


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

```
.border{ border-color:rgb(103, 206, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 206, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 206, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 206, 236);  
box-shadow:4px 4px 4px 4px rgb(103, 206,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8051, 53.0823, 87.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 206, 236) }
```

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

```
.background{ background-color: rgb(103,  
206, 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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