

Converting Colors

XYZ(42.9012, 52.8515, 87.9184)

Have a look what the booklet for
XYZ(42.9012, 52.8515, 87.9184)
contains.

XYZ(42.8263, 52.7201, 88.0396)	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(42.8263, 52.7201,
88.0396)**

Conversions

Conversions Part 1

Format	Color
Hex	68CDED
RGB	104, 205, 237
RGB Percent	41%, 80%, 93%
CMY	0.5921, 0.1961, 0.0706
CMYK	0.56, 0.14, 0.00, 0.07
HSL	194°, 79%, 67%
HSV	194°, 56%, 93%
XYZ	42.8263, 52.7201, 88.0396
YIQ	178.4490, -70.4680, -11.4600

Conversions

Conversions Part 2

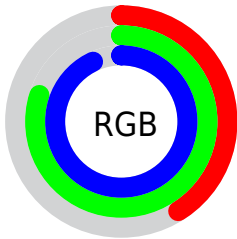
Format	Color
RYB	104, 161, 237
Decimal	6868461
CIELab	77.71, -20.60, -24.76
CIElCh	78, 32.207, 230.235
Yxy	52.7201, 0.2333, 0.2872
Android (android.graphics.Color)	4285058541 (0xFF68CDED)
YUV	178.4490, 28.8656, -65.2918
Hunter-Lab	72.6086, -21.7815, -21.0645

Details

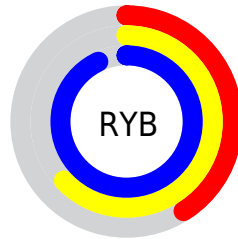
The XYZ color **42.8263, 52.7201, 88.0396** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.2294, 36.6141, 17.7291**, and the grayscale version is **42.4349, 44.6448, 48.6182**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **20.0028, 25.7765, 47.6372** is the 20% darker color. If you saturate the color by 10%, you get **39.1132, 48.8188, 87.4833**, and if you desaturate by 10%, it is **47.3654, 57.1232, 88.6512**.

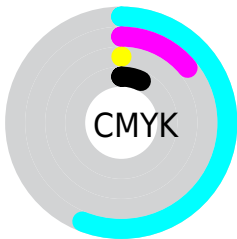
Distribution



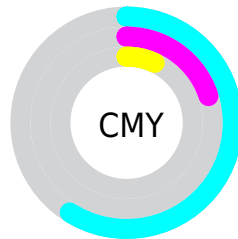
- Red (41%)
- Green (80%)
- Blue (93%)



- Red (41%)
- Yellow (63%)
- Blue (93%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (59%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8263, 52.7201, 88.0396 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 42.8263, 52.7201, 88.0396 by changing the saturation by 10% instead.

■ 42.8263, 52.7201,
88.0396

■ 42.8263, 52.7201,
88.0396

348.8306,
397.2103, 542.0376

■ 29.9428, 37.5794,
65.7913

■ 78.7060, 94.1924,
146.5239

■ 19.9430, 25.6564,
47.6476

■ 102.4329,
121.2927, 183.5970

■ 12.4617, 16.5668,
33.1899

■ 130.5050,
153.1484, 226.4489

■ 7.1333, 9.9261,
21.9997

163.2877,
190.1437, 275.4980

■ 3.5927, 5.3500,
13.6583

201.1462,
232.6632, 331.1628

■ 1.4744, 2.4540,
7.7474

244.4459,

■ 0.3083, 0.8535,

281.0912, 393.8620

3.8483

293.5523,
335.8121, 464.0141

■ 0.0000, 0.0000,
1.5425

■ 0.0000, 0.0000,
0.2493

■ 42.8263, 52.7201,
88.0396

■ 42.8263, 52.7201,
88.0396

■ 39.1132, 48.8188,
87.4833

■ 47.3654, 57.1232,
88.6512

■ 36.1538, 45.3780,
86.9751

■ 52.7848, 62.0536,
89.3173

■ 33.8716, 42.3585,
86.5126

■ 59.1399, 67.5417,
90.0416

■ 32.1692, 39.7094,
86.0910

■ 66.4800, 73.6136,
90.8267

■ 31.6033, 38.7487,
85.9353

■ 74.8507, 80.2936,
91.6749

■ 84.2949, 87.6046,
92.5883

■ 89.1540, 92.6300,
93.3022

■ 90.9051, 96.1321,
93.8859

■ 92.2863, 98.8945,
94.3463

Harmonies

Analogous

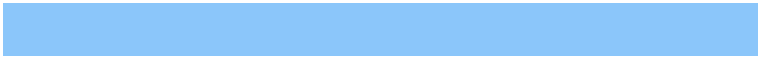
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6828, 52.7201, 70.1134



42.8263, 52.7201, 88.0396



48.1032, 52.7201, 98.3148

Triad

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



42.8263, 52.7201, 88.0396



62.8740, 52.7201, 63.4247



46.0765, 52.7201, 30.8427

Complementary

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



42.8263, 52.7201, 88.0396



46.2294, 36.6141, 17.7291

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.



52.1695, 52.7201, 29.7836



42.8263, 52.7201, 88.0396



62.2178, 52.7201, 46.3302

Square

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



42.8263, 52.7201, 88.0396



59.8986, 52.7201, 82.2795



58.1735, 52.7201, 34.8531



41.4485, 52.7201, 38.1263

Rectangle

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



42.8263, 52.7201, 88.0396



52.2689, 52.7201, 98.2449



58.1735, 52.7201, 34.8531



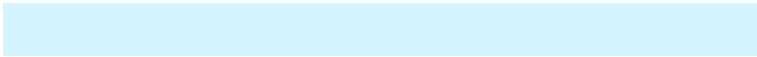
48.0092, 52.7201, 29.8151

Sweetspot

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



42.8280, 52.7221, 88.0409



77.6231, 86.2101, 107.1568



40.3702, 65.2629, 33.4052



16.2247, 18.1337, 22.8950



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.



42.8280, 52.7221, 88.0409



45.7393, 57.1512, 103.2283



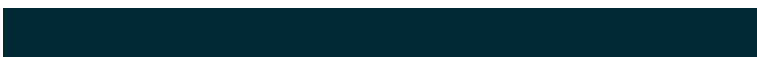
30.2970, 27.6601, 83.8639



15.1928, 16.4720, 19.3009



17.3611, 21.3691, 46.9526



1.4368, 1.8250, 3.7114

Inverse Universe

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



50.8963, 32.3146, 61.3144



56.5460, 32.4736, 66.8350



58.4363, 61.0280, 21.7981



15.5509, 15.2482, 18.1861



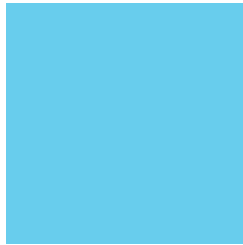
23.6184, 11.6500, 24.8554



1.8917, 0.9296, 2.1471

Previews

White Background



This preview shows how the XYZ color 42.8263, 52.7201, 88.0396 looks on a white background.

Color Contrast Check

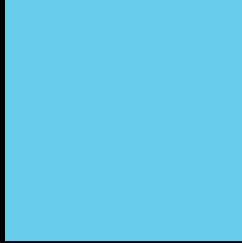
Large Text (above 18pt) WCAG AA × Fail

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 42.8263, 52.7201, 88.0396 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 42.8263, 52.7201, 88.0396

Background



This preview shows how black text looks on a background with the XYZ color 42.8263, 52.7201, 88.0396.



This preview shows how white text looks on a background with the XYZ color 42.8263, 52.7201,

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

42.8263, 52.7201, 88.0396

Protanopia

51.4535, 51.9535, 79.2676

Deuteranopia

53.4147, 52.0819, 90.4566



Tritanopia

40.9130, 52.6601, 78.5291

Trichromacy



Original Color

42.8263, 52.7201, 88.0396

Protanomaly

47.1245, 51.6134, 82.3416

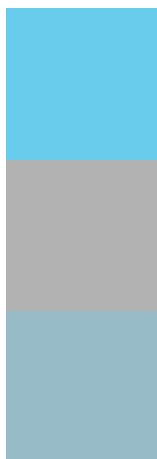
Deuteranomaly

48.5375, 51.8434, 89.8867

Tritanomaly

41.5810, 52.5665, 82.0835

Monochromacy



Original Color

42.8263, 52.7201, 88.0396

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.0545, 46.6693, 60.8771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8263, 52.7201, 88.0396 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(104, 205, 237)` looks like.

```
.text, #text, p{  
    color:rgb(104, 205, 237)  
}
```

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(104, 205, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 205, 237) }
```

Border

The CSS property to change the border of an element to XYZ 42.8263, 52.7201, 88.0396 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(104, 205, 237) }
```


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

```
.border{ border-color:rgb(104, 205, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 205, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 205, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 205, 237); box-shadow:4px 4px 4px 4px rgb(104, 205, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8263, 52.7201, 88.0396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 205, 237) }
```

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

```
.background{ background-color: rgb(104,  
205, 237) }
```

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