

Converting Colors

XYZ(42.9729, 52.7787, 88.8113)

Have a look what the booklet for
XYZ(42.9729, 52.7787, 88.8113)
contains.

XYZ(42.9729, 52.7787, 88.8113)	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(42.9729, 52.7787,
88.8113)**

Conversions

Conversions Part 1

Format	Color
Hex	68CDEE
RGB	104, 205, 238
RGB Percent	41%, 80%, 93%
CMY	0.5921, 0.1961, 0.0667
CMYK	0.56, 0.14, 0.00, 0.07
HSL	195°, 80%, 67%
HSV	195°, 56%, 93%
XYZ	42.9729, 52.7787, 88.8113
YIQ	178.5630, -70.7890, -11.1490

Conversions

Conversions Part 2

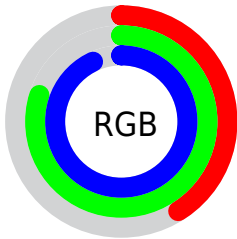
Format	Color
RYB	104, 162, 238
Decimal	6868462
CIELab	77.74, -20.31, -25.24
CIELCh	78, 32.398, 231.172
Yxy	52.7787, 0.2328, 0.2860
Android (android.graphics.Color)	4285058542 (0xFF68CDEE)
YUV	178.5630, 29.3024, -65.3918
Hunter-Lab	72.6490, -21.5503, -21.6261

Details

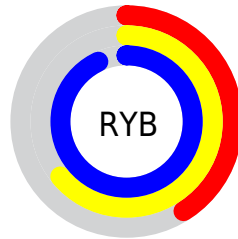
The XYZ color **42.9729, 52.7787, 88.8113** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7059, 37.0699, 17.7922**, and the grayscale version is **42.4933, 44.7062, 48.6851**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **20.0752, 25.8019, 48.1782** is the 20% darker color. If you saturate the color by 10%, you get **39.2146, 48.7997, 88.2423**, and if you desaturate by 10%, it is **47.5665, 57.2684, 89.4368**.

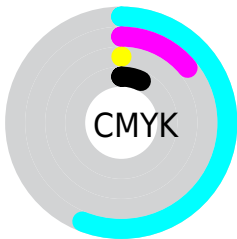
Distribution



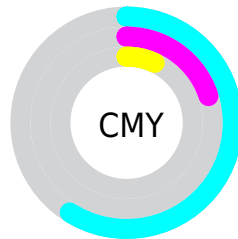
- Red (41%)
- Green (80%)
- Blue (93%)



- Red (41%)
- Yellow (64%)
- 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 42.9729, 52.7787, 88.8113 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 42.9729, 52.7787, 88.8113 by changing the saturation by 10% instead.

■ 42.9729, 52.7787,
88.8113

■ 42.9729, 52.7787,
88.8113

349.4237,
397.4355, 544.6264

■ 30.0583, 37.6261,
66.4270

■ 78.9259, 94.2786,
147.6072

■ 20.0311, 25.6927,
48.1605

■ 102.6951,
121.3948, 184.8559

■ 12.5261, 16.5939,
33.5931

■ 130.8131,
153.2677, 227.8964

■ 7.1778, 9.9453,
22.3063

163.6453,
190.2815, 277.1474

■ 3.6208, 5.3627,
13.8817

201.5571,
232.8209, 333.0274

■ 1.4899, 2.4616,
7.9006

244.9139,

■ 0.3190, 0.8573,

281.2700, 395.9548

3.9446

294.0810,
336.0135, 466.3483

■ 0.0000, 0.0000,
1.5950

■ 0.0000, 0.0000,
0.2872

■ 42.9729, 52.7787,
88.8113

■ 42.9729, 52.7787,
88.8113

■ 39.2146, 48.7997,
88.2423

■ 47.5665, 57.2684,
89.4368

■ 36.2186, 45.2897,
87.7228

■ 53.0505, 62.2949,
90.1180

■ 33.9069, 42.2088,
87.2499

■ 59.4810, 67.8890,
90.8588

■ 32.1806, 39.5051,
86.8190

■ 66.9079, 74.0772,
91.6618

■ 31.6310, 38.5696,
86.6674

■ 75.3775, 80.8841,
92.5292

■ 84.9331, 88.3328,
93.4634

■ 89.6381, 93.3637,
94.1864

■ 91.4495, 96.9864,
94.7902

■ 92.4328, 98.9531,
95.1180

Harmonies

Analogous

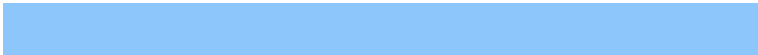
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7328, 52.7787, 70.8734



42.9729, 52.7787, 88.8113



48.3353, 52.7787, 98.8260

Triad

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



42.9729, 52.7787, 88.8113



63.0579, 52.7787, 62.9357



45.9316, 52.7787, 30.8900

Complementary

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



42.9729, 52.7787, 88.8113



46.7059, 37.0699, 17.7922

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.



52.0394, 52.7787, 29.6360



42.9729, 52.7787, 88.8113



62.2790, 52.7787, 45.8678

Square

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



42.9729, 52.7787, 88.8113



60.1642, 52.7787, 81.9717



58.1169, 52.7787, 34.5307



41.3393, 52.7787, 38.4087

Rectangle

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



42.9729, 52.7787, 88.8113



52.5390, 52.7787, 98.4742



58.1169, 52.7787, 34.5307



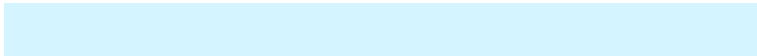
47.8628, 52.7787, 29.7941

Sweetspot

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



42.9746, 52.7807, 88.8126



77.5489, 86.0618, 107.1321



40.6771, 65.8503, 33.5889



16.2071, 18.0985, 22.8891



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.



42.9746, 52.7807, 88.8126



45.1128, 56.2317, 103.0838



30.4826, 27.7966, 84.6486



15.8985, 17.2310, 20.2096



17.7537, 21.7317, 48.3868



1.5543, 1.9627, 4.0511

Inverse Universe

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



51.2312, 32.4874, 61.3300



56.1484, 32.0029, 65.7019



58.9432, 61.5447, 21.8713



16.2782, 15.9610, 19.0212



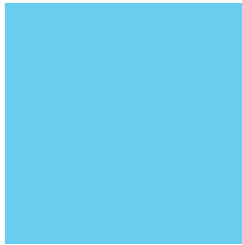
24.2869, 11.9872, 25.2250



2.0595, 1.0128, 2.3042

Previews

White Background



This preview shows how the XYZ color 42.9729, 52.7787, 88.8113 looks on a white background.

Color Contrast Check

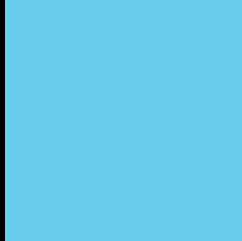
Large Text (above 18pt) WCAG AA × Fail

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 42.9729, 52.7787, 88.8113 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 42.9729, 52.7787, 88.8113

Background



This preview shows how black text looks on a background with the XYZ color 42.9729, 52.7787, 88.8113.

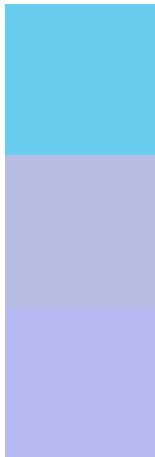


This preview shows how white text looks on a background with the XYZ color 42.9729, 52.7787,

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

42.9729, 52.7787, 88.8113

Protanopia

51.5912, 52.0085, 79.9925

Deuteranopia

53.3258, 52.0187, 91.2344



Tritanopia

40.9130, 52.6601, 78.5291

Trichromacy



Original Color

42.9729, 52.7787, 88.8113

Protanomaly

47.2653, 51.6698, 83.0834

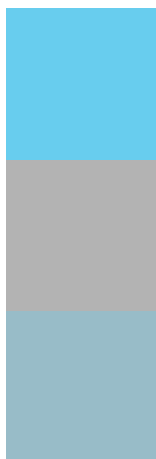
Deuteranomaly

48.4954, 51.8045, 90.6624

Tritanomaly

41.5810, 52.5665, 82.0835

Monochromacy



Original Color

42.9729, 52.7787, 88.8113

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3574, 46.8120, 61.4994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9729, 52.7787, 88.8113 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(104, 205, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 205, 238) }
```

Border

The CSS property to change the border of an element to XYZ 42.9729, 52.7787, 88.8113 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, 238) }
```


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

```
.border{ border-color:rgb(104, 205, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 205, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 205, 238);  
box-shadow:4px 4px 4px 4px rgb(104, 205,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9729, 52.7787, 88.8113 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, 238) }
```

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

```
.background{ background-color: rgb(104,  
205, 238) }
```

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