

Converting Colors

XYZ(37.2880, 45.2940, 78.7288)

Have a look what the booklet for
XYZ(37.2880, 45.2940, 78.7288)
contains.

XYZ(37.2880, 45.2940, 78.7288)	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(37.2880, 45.2940,
78.7288)**

Conversions

Conversions Part 1

Format	Color
Hex	61BFE2
RGB	97, 191, 226
RGB Percent	38%, 75%, 89%
CMY	0.6196, 0.2510, 0.1137
CMYK	0.57, 0.15, 0.00, 0.11
HSL	196°, 69%, 63%
HSV	196°, 57%, 89%
XYZ	37.2880, 45.2940, 78.7288
YIQ	166.8840, -67.2590, -9.0430

Conversions

Conversions Part 2

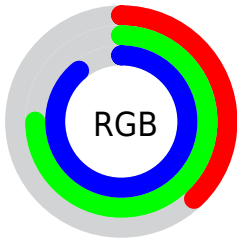
Format	Color
R _Y B	97, 151, 226
Decimal	6406114
CIE Lab	73.09, -17.96, -25.91
CIE LCh	73, 31.530, 235.276
Yxy	45.2940, 0.2312, 0.2808
Android (android.graphics.Color)	4284596194 (0xFF61BFE2)
YUV	166.8840, 29.1442, -61.2883
Hunter-Lab	67.3008, -18.8786, -22.2471

Details

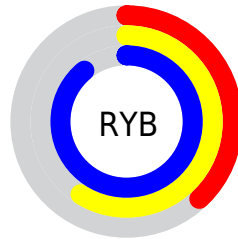
The XYZ color **37.2880, 45.2940, 78.7288** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.7741, 33.5357, 15.5820**, and the grayscale version is **36.5617, 38.4658, 41.8892**.

A 20% lighter version of the original color is **65.2154, 80.9096, 106.7876**, and **16.6272, 21.0022, 41.7056** is the 20% darker color. If you saturate the color by 10%, you get **33.9051, 41.6071, 78.1963**, and if you desaturate by 10%, it is **41.4157, 49.4497, 79.3142**.

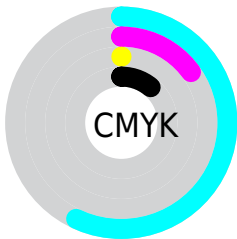
Distribution



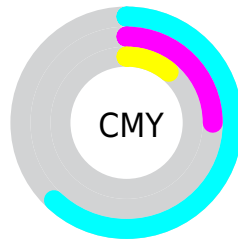
- Red (38%)
- Green (75%)
- Blue (89%)



- Red (38%)
- Yellow (59%)
- Blue (89%)



- Cyan (57%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (62%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2880, 45.2940, 78.7288 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 37.2880, 45.2940, 78.7288 by changing the saturation by 10% instead.

■ 37.2880, 45.2940,
78.7288

■ 37.2880, 45.2940,
78.7288

■ 325.8896,
367.9630, 510.2318

■ 25.6053, 31.6891,
58.1529

■ 70.3265, 83.1614,
133.3722

■ 16.6597, 21.1241,
41.5160

■ 92.4129, 108.1927,
168.2767

■ 10.0860, 13.2148,
28.3998

■ 118.6979,
137.8015, 208.7946

■ 5.5187, 7.5766,
18.3856

■ 149.5469,
172.3723, 255.3442

■ 2.5925, 3.8252,
11.0549

■ 185.3252,
212.2895, 308.3442

■ 0.9422, 1.5763,
5.9891

■ 226.3982,

■ 0.0000, 0.3415,

257.9373, 368.2131

2.7698

273.1312,
309.7004, 435.3694

■ 0.0000, 0.0000,
0.9783

■ 0.0000, 0.0000,
0.0000

■ 37.2880, 45.2940,
78.7288

■ 37.2880, 45.2940,
78.7288

■ 33.9051, 41.6071,
78.1963

■ 41.4157, 49.4497,
79.3142

■ 31.2018, 38.3519,
77.7105

■ 46.3373, 54.0979,
79.9520

■ 29.1086, 35.4922,
77.2688

■ 52.1027, 59.2662,
80.6457

■ 27.5332, 32.9795,
76.8669

■ 58.7563, 64.9783,
81.3976

■ 27.1258, 32.2875,
76.7547

■ 66.3393, 71.2566,
82.2098

■ 74.8902, 78.1217,
83.0842

■ 84.3691, 85.5540,
84.0192

■ 86.1444, 89.1046,
84.6109

■ 87.9807, 92.7773,
85.2230

Harmonies

Analogous

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



34.1554, 45.2940, 63.4556



37.2880, 45.2940, 78.7288



42.1832, 45.2940, 86.2006

Triad

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



37.2880, 45.2940, 78.7288



54.5079, 45.2940, 51.8610



38.6793, 45.2940, 26.6363

Complementary

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



37.2880, 45.2940, 78.7288



41.7741, 33.5357, 15.5820

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.



43.9298, 45.2940, 24.8191



37.2880, 45.2940, 78.7288



53.3698, 45.2940, 37.4527

Square

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



37.2880, 45.2940, 78.7288



52.3683, 45.2940, 68.7194



49.3783, 45.2940, 28.3296



34.9093, 45.2940, 33.9614

Rectangle

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



37.2880, 45.2940, 78.7288



45.9056, 45.2940, 84.8007



49.3783, 45.2940, 28.3296



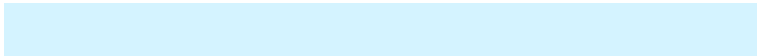
40.3165, 45.2940, 25.4379

Sweetspot

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



37.2895, 45.2957, 78.7299



77.2226, 85.4092, 107.0233



36.2513, 58.5847, 31.0141



16.1296, 17.9434, 22.8633



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.



37.2895, 45.2957, 78.7299



44.0397, 54.0854, 102.7261



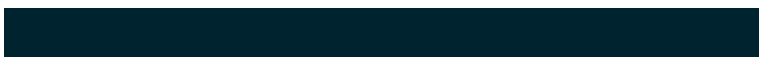
26.2609, 23.2386, 75.0537



13.7857, 14.9104, 17.5391



15.5784, 18.6264, 43.8226



1.1529, 1.4372, 3.0619

Inverse Universe

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



45.0439, 28.4811, 52.4153



55.6068, 31.7862, 62.8496



53.2402, 56.4679, 19.4040



14.1280, 13.8688, 16.4444



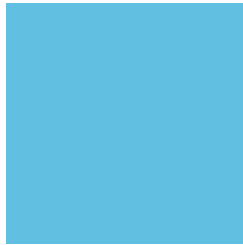
21.8035, 10.7884, 21.4286



1.5482, 0.7625, 1.6795

Previews

White Background



This preview shows how the XYZ color 37.2880, 45.2940, 78.7288 looks on a white background.

Color Contrast Check

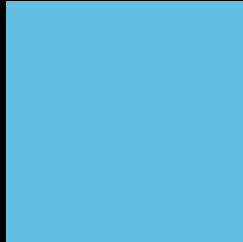
Large Text (above 18pt) WCAG AA × Fail

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 37.2880, 45.2940, 78.7288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

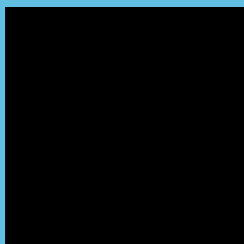
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

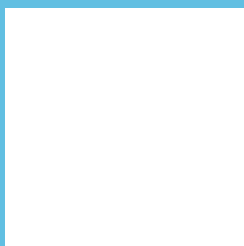
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2880, 45.2940, 78.7288

Background



This preview shows how black text looks on a background with the XYZ color 37.2880, 45.2940, 78.7288.



This preview shows how white text looks on a background with the XYZ color 37.2880, 45.2940,

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

37.2880, 45.2940, 78.7288

Protanopia

44.6944, 44.9482, 71.2860

Deuteranopia

45.8350, 44.7521, 80.3510



Tritanopia

35.1411, 45.4104, 67.8857

Trichromacy



Original Color

37.2880, 45.2940, 78.7288

Protanomaly

40.9739, 44.4628, 74.1328

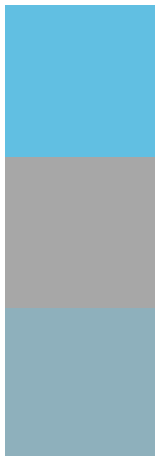
Deuteranomaly

41.8552, 44.4888, 79.7800

Tritanomaly

35.9788, 45.4250, 71.8374

Monochromacy



Original Color

37.2880, 45.2940, 78.7288

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.7578, 40.4323, 53.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2880, 45.2940, 78.7288 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(97, 191, 226)` looks like.

```
.text, #text, p{  
    color:rgb(97, 191, 226)  
}
```

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(97, 191, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 191, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.2880, 45.2940, 78.7288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

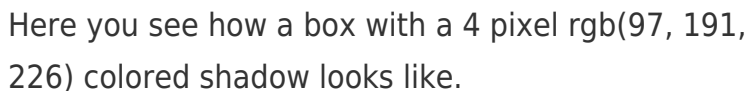
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 191, 226) }
```


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

```
.border{ border-color:rgb(97, 191, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 191, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 191, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 191, 226); box-shadow:4px 4px 4px 4px rgb(97, 191, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2880, 45.2940, 78.7288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 191, 226) }
```

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

```
.background{ background-color: rgb(97, 191,  
226) }
```

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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