

Converting Colors

XYZ(45.5095, 55.5759, 88.5643)

Have a look what the booklet for
XYZ(45.5095, 55.5759, 88.5643)
contains.

XYZ(45.4226, 55.4973, 88.4388)	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(45.4226, 55.4973,
88.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	75D1ED
RGB	117, 209, 237
RGB Percent	46%, 82%, 93%
CMY	0.5412, 0.1804, 0.0706
CMYK	0.51, 0.12, 0.00, 0.07
HSL	194°, 77%, 69%
HSV	194°, 51%, 93%
XYZ	45.4226, 55.4973, 88.4388
YIQ	184.6840, -63.8200, -10.7960

Conversions

Conversions Part 2

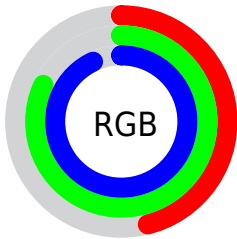
Format	Color
RYB	117, 169, 237
Decimal	7721453
CIELab	79.33, -19.98, -22.25
CIELCh	79, 29.902, 228.079
Yxy	55.4973, 0.2399, 0.2931
Android (android.graphics.Color)	4285911533 (0xFF75D1ED)
YUV	184.6840, 25.7918, -59.3589
Hunter-Lab	74.4965, -21.5325, -18.2388

Details

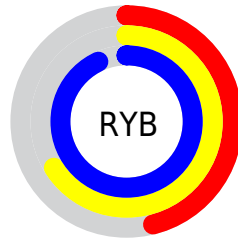
The XYZ color **45.4226, 55.4973, 88.4388** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.2625, 39.5409, 21.9196**, and the grayscale version is **45.8269, 48.2135, 52.5045**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **21.4174, 27.2317, 47.8435** is the 20% darker color. If you saturate the color by 10%, you get **41.2994, 51.3936, 87.8650**, and if you desaturate by 10%, it is **50.4024, 60.1149, 89.0686**.

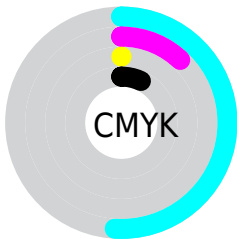
Distribution



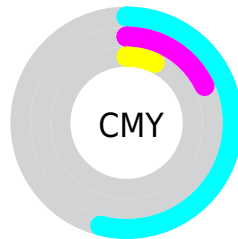
- Red (46%)
- Green (82%)
- Blue (93%)



- Red (46%)
- Yellow (66%)
- Blue (93%)



- Cyan (51%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (54%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4226, 55.4973, 88.4388 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 45.4226, 55.4973, 88.4388 by changing the saturation by 10% instead.

■ 45.4226, 55.4973,
88.4388

■ 45.4226, 55.4973,
88.4388

359.2374,
407.7943, 543.3776

■ 31.9931, 39.8000,
66.1201

■ 82.5874, 98.2692,
147.0844

■ 21.5118, 27.3827,
47.9128

■ 107.0534,
126.1126, 184.2484

■ 13.6132, 17.8608,
33.3984

■ 135.9289,
158.7735, 227.1980

■ 7.9320, 10.8501,
22.1582

169.5794,
196.6363, 276.3516

■ 4.1029, 5.9661,
13.7737

208.3701,
240.0854, 332.1279

■ 1.7605, 2.8245,
7.8265

252.6664,

■ 0.4937, 1.0408,

289.5051, 394.9452

3.8980

302.8337,
345.2800, 465.2223

■ 0.0000, 0.0000,
1.5695

■ 0.0000, 0.0000,
0.2689

■ 45.4226, 55.4973,
88.4388

■ 45.4226, 55.4973,
88.4388

■ 41.2994, 51.3936,
87.8650

■ 50.4024, 60.1149,
89.0686

■ 37.9649, 47.7645,
87.3403

■ 56.2896, 65.2697,
89.7533

■ 35.3494, 44.5746,
86.8624

■ 63.1370, 70.9908,
90.4967

■ 33.3675, 41.7790,
86.4273

■ 70.9918, 77.3031,
91.3011

■ 31.9536, 39.4491,
86.0521

■ 79.8980, 84.2301,
92.1687

■ 88.3326, 90.9872,
93.0284

■ 90.0051, 94.3323,
93.5860

■ 91.7279, 97.7777,
94.1602

■ 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.



42.5410, 55.4973, 71.2505



45.4226, 55.4973, 88.4388



50.4053, 55.4973, 98.7818

Triad

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



45.4226, 55.4973, 88.4388



64.8375, 55.4973, 67.4992



49.2550, 55.4973, 34.1843

Complementary

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



45.4226, 55.4973, 88.4388



48.2625, 39.5409, 21.9196

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.



55.1633, 55.4973, 33.5610



45.4226, 55.4973, 88.4388



64.4708, 55.4973, 50.7594

Square

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



45.4226, 55.4973, 88.4388



61.7895, 55.4973, 85.2489



60.8226, 55.4973, 39.0593



44.6355, 55.4973, 40.9621

Rectangle

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



45.4226, 55.4973, 88.4388



54.3835, 55.4973, 99.3157



60.8226, 55.4973, 39.0593



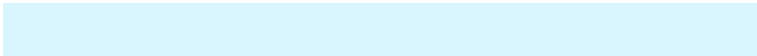
51.1466, 55.4973, 33.3022

Sweetspot

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



45.4244, 55.4994, 88.4401



79.5697, 87.8909, 107.3786



42.5796, 66.3347, 36.5479



16.6138, 18.4762, 22.9406



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.



45.4244, 55.4994, 88.4401



48.5000, 60.4082, 103.7115



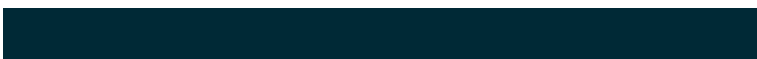
33.6903, 32.0312, 84.5288



15.2025, 16.4914, 19.3041



17.5503, 21.7476, 47.0157



1.4502, 1.8519, 3.7159

Inverse Universe

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



52.7964, 35.3321, 64.3610



58.4922, 35.3682, 70.5595



59.4932, 62.0022, 25.6631



15.5558, 15.2502, 18.2119



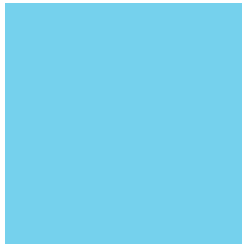
23.7139, 11.6882, 25.3584



1.8985, 0.9324, 2.1828

Previews

White Background



This preview shows how the XYZ color 45.4226, 55.4973, 88.4388 looks on a white background.

Color Contrast Check

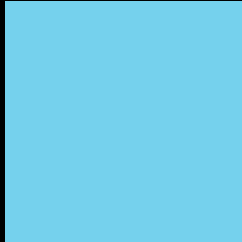
Large Text (above 18pt) WCAG AA × Fail

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 45.4226, 55.4973, 88.4388 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 45.4226, 55.4973, 88.4388

Background



This preview shows how black text looks on a background with the XYZ color 45.4226, 55.4973, 88.4388.



This preview shows how white text looks on a background with the XYZ color 45.4226, 55.4973,

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

45.4226, 55.4973, 88.4388

Protanopia

54.1432, 54.9484, 80.4255

Deuteranopia

55.9938, 54.6888, 90.8239



Tritanopia

44.2373, 55.7674, 81.8314

Trichromacy



Original Color

45.4226, 55.4973, 88.4388

Protanomaly

49.9515, 54.4029, 83.4694

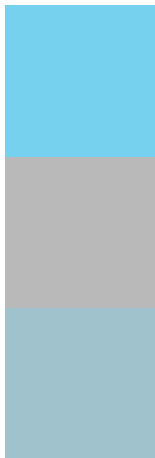
Deuteranomaly

51.2321, 54.5720, 90.2713

Tritanomaly

44.5406, 55.5075, 83.9678

Monochromacy



Original Color

45.4226, 55.4973, 88.4388

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.6881, 50.4168, 64.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4226, 55.4973, 88.4388 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(117, 209, 237)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 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(117, 209, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 237) }
```

Border

The CSS property to change the border of an element to XYZ 45.4226, 55.4973, 88.4388 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(117, 209, 237) }
```


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

```
.border{ border-color:rgb(117, 209, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 209, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 237);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4226, 55.4973, 88.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 237) }
```

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

```
.background{ background-color: rgb(117,  
209, 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](#).

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