

Converting Colors

XYZ(45.2724, 55.4330, 87.6700)

Have a look what the booklet for
XYZ(45.2724, 55.4330, 87.6700)
contains.

XYZ(45.2769, 55.4390, 87.6713)	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(45.2769, 55.4390,
87.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	75D1EC
RGB	117, 209, 236
RGB Percent	46%, 82%, 93%
CMY	0.5412, 0.1804, 0.0745
CMYK	0.50, 0.11, 0.00, 0.07
HSL	194°, 76%, 69%
HSV	194°, 50%, 93%
XYZ	45.2769, 55.4390, 87.6713
YIQ	184.5700, -63.4990, -11.1070

Conversions

Conversions Part 2

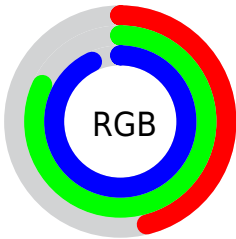
Format	Color
R _{YB}	117, 169, 236
Decimal	7721452
CIE _{Lab}	79.29, -20.25, -21.76
CIE _{LCh}	79, 29.730, 227.062
Yxy	55.4390, 0.2403, 0.2943
Android (android.graphics.Color)	4285911532 (0xFF75D1EC)
YUV	184.5700, 25.3550, -59.2589
Hunter-Lab	74.4574, -21.7561, -17.6920

Details

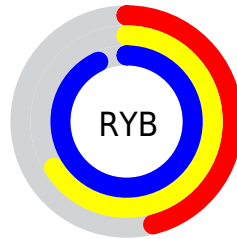
The XYZ color **45.2769, 55.4390, 87.6713** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.7774, 39.0650, 21.8534**, and the grayscale version is **45.7660, 48.1494, 52.4347**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **21.3151, 27.1908, 47.3049** is the 20% darker color. If you saturate the color by 10%, you get **41.2054, 51.4236, 87.1119**, and if you desaturate by 10%, it is **50.1953, 59.9589, 88.2855**.

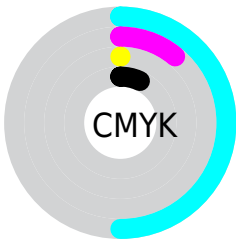
Distribution



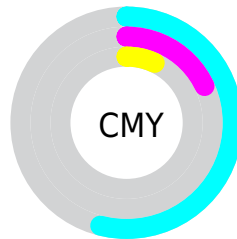
- Red (46%)
- Green (82%)
- Blue (93%)



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



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2769, 55.4390, 87.6713 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 45.2769, 55.4390, 87.6713 by changing the saturation by 10% instead.

■ 45.2769, 55.4390,
87.6713

■ 45.2769, 55.4390,
87.6713

358.6587,
407.5739, 540.7996

■ 31.8778, 39.7533,
65.4881

■ 82.3703, 98.1839,
146.0066

■ 21.4233, 27.3463,
47.4031

■ 106.7953,
126.0118, 182.9957

■ 13.5480, 17.8334,
32.9978

■ 135.6263,
158.6560, 225.7572

■ 7.8865, 10.8305,
21.8537

169.2286,
196.5008, 274.7097

■ 4.0736, 5.9530,
13.5521

207.9677,
239.9306, 330.2716

■ 1.7439, 2.8165,
7.6747

252.2088,

■ 0.4835, 1.0367,

289.3297, 392.8615

3.8027

302.3174,
345.0827, 462.8980

■ 0.0000, 0.0000,
1.5177

■ 0.0000, 0.0000,
0.2311

■ 45.2769, 55.4390,
87.6713

■ 45.2769, 55.4390,
87.6713

■ 41.2054, 51.4236,
87.1119

■ 50.1953, 59.9589,
88.2855

■ 37.9138, 47.8741,
86.6002

■ 56.0106, 65.0061,
88.9532

■ 35.3332, 44.7553,
86.1342

■ 62.7750, 70.6094,
89.6782

■ 33.3797, 42.0235,
85.7099

■ 70.5350, 76.7934,
90.4629

■ 31.9623, 39.6997,
85.3361

■ 79.3343, 83.5811,
91.3093

■ 87.8743, 90.3037,
92.1567

■ 89.4838, 93.5227,
92.6932

■ 91.1403, 96.8357,
93.2454

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

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



42.4943, 55.4390, 70.4976



45.2769, 55.4390, 87.6713



50.1726, 55.4390, 98.2633

Triad

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



45.2769, 55.4390, 87.6713



64.6495, 55.4390, 68.0016



49.4068, 55.4390, 34.1440

Complementary

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



45.2769, 55.4390, 87.6713



47.7774, 39.0650, 21.8534

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.



55.2966, 55.4390, 33.7283



45.2769, 55.4390, 87.6713



64.4056, 55.4390, 51.2506

Square

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



45.2769, 55.4390, 87.6713



61.5212, 55.4390, 85.5502



60.8779, 55.4390, 39.4118



44.7527, 55.4390, 40.6801

Rectangle

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



45.2769, 55.4390, 87.6713



54.1124, 55.4390, 99.0727



60.8779, 55.4390, 39.4118



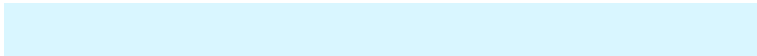
51.2989, 55.4390, 33.3342

Sweetspot

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



45.2787, 55.4411, 87.6726



79.6448, 88.0409, 107.4036



42.2745, 65.7507, 36.3654



16.6320, 18.5126, 22.9466



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.



45.2787, 55.4411, 87.6726



48.7617, 60.9317, 103.7987



33.4991, 31.8820, 83.7461



15.2110, 16.5085, 19.3070



17.7198, 22.0866, 47.0722



1.4622, 1.8759, 3.7199

Inverse Universe

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



52.4635, 35.1605, 64.3454



58.6243, 35.4211, 71.2552



58.9913, 61.4929, 25.5914



15.5601, 15.2519, 18.2347



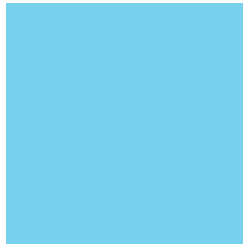
23.7994, 11.7225, 25.8089



1.9045, 0.9348, 2.2147

Previews

White Background



This preview shows how the XYZ color 45.2769, 55.4390, 87.6713 looks on a white background.

Color Contrast Check

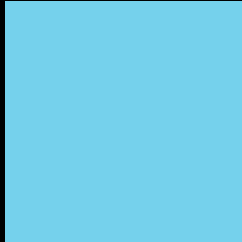
Large Text (above 18pt) WCAG AA × Fail

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 45.2769, 55.4390, 87.6713 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 45.2769, 55.4390, 87.6713

Background



This preview shows how black text looks on a background with the XYZ color 45.2769, 55.4390, 87.6713.



This preview shows how white text looks on a background with the XYZ color 45.2769, 55.4390,

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

45.2769, 55.4390, 87.6713

Protanopia

54.2545, 55.0217, 79.7122

Deuteranopia

56.0972, 54.7593, 90.0510



Tritanopia

43.8512, 55.2166, 81.0197

Trichromacy



Original Color

45.2769, 55.4390, 87.6713

Protanomaly

49.8106, 54.3465, 82.7275

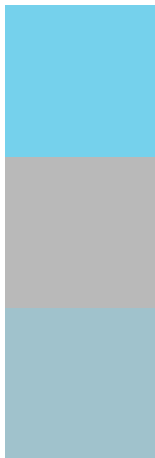
Deuteranomaly

51.2911, 54.6195, 89.5006

Tritanomaly

44.3998, 55.4512, 83.2259

Monochromacy



Original Color

45.2769, 55.4390, 87.6713

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 45.2769, 55.4390, 87.6713 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 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(117, 209, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 236) }
```

Border

The CSS property to change the border of an element to XYZ 45.2769, 55.4390, 87.6713 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, 236) }
```


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

```
.border{ border-color:rgb(117, 209, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 236);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2769, 55.4390, 87.6713 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, 236) }
```

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

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

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