

Converting Colors

XYZ(45.2262, 53.6860, 84.4674)

Have a look what the booklet for
XYZ(45.2262, 53.6860, 84.4674)
contains.

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Color

**XYZ(45.2116, 53.6791,
84.3221)**

Conversions

Conversions Part 1

Format	Color
Hex	81CCE8
RGB	129, 204, 232
RGB Percent	51%, 80%, 91%
CMY	0.4941, 0.2000, 0.0902
CMYK	0.44, 0.12, 0.00, 0.09
HSL	196°, 69%, 71%
HSV	196°, 44%, 91%
XYZ	45.2116, 53.6791, 84.3221
YIQ	184.7670, -53.6880, -7.1920

Conversions

Conversions Part 2

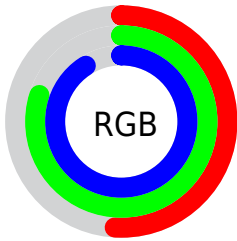
Format	Color
R _Y B	129, 172, 232
Decimal	8506600
CIE Lab	78.27, -16.05, -21.12
CIE LCh	78, 26.526, 232.776
Yxy	53.6791, 0.2468, 0.2930
Android (android.graphics.Color)	4286696680 (0xFF81CCE8)
YUV	184.7670, 23.2859, -48.9077
Hunter-Lab	73.2660, -18.0653, -16.9508

Details

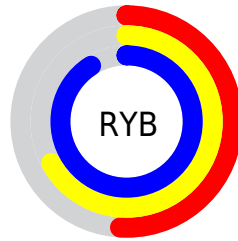
The XYZ color **45.2116, 53.6791, 84.3221** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.2992, 42.8557, 26.4440**, and the grayscale version is **45.8823, 48.2717, 52.5679**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **21.4153, 26.3250, 45.0268** is the 20% darker color. If you saturate the color by 10%, you get **40.6112, 49.1283, 83.6871**, and if you desaturate by 10%, it is **50.6761, 58.7679, 85.0173**.

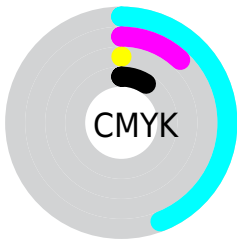
Distribution



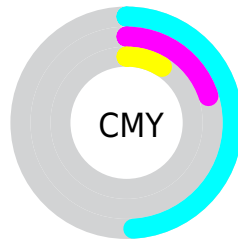
- Red (51%)
- Green (80%)
- Blue (91%)



- Red (51%)
- Yellow (67%)
- Blue (91%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2116, 53.6791, 84.3221 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 45.2116, 53.6791, 84.3221 by changing the saturation by 10% instead.

■ 45.2116, 53.6791,
84.3221

■ 45.2116, 53.6791,
84.3221

358.3992,
400.8851, 529.4682

■ 31.8261, 38.3452,
62.7345

■ 82.2730, 95.6029,
141.2914

■ 21.3836, 26.2507,
45.1868

■ 106.6795,
122.9616, 177.5102

■ 13.5188, 17.0113,
31.2606

■ 135.4905,
155.0973, 219.4430

■ 7.8662, 10.2425,
20.5372

169.0713,
192.3944, 267.5086

■ 4.0605, 5.5601,
12.5982

207.7872,
235.2374, 322.1253

■ 1.7364, 2.5795,
7.0250

252.0036,

■ 0.4789, 0.9164,

284.0106, 383.7118

3.3991

302.0858,
339.0983, 452.6866

■ 0.0000, 0.0000,
1.3018

■ 0.0000, 0.0000,
0.0633

■ 45.2116, 53.6791,
84.3221

■ 45.2116, 53.6791,
84.3221

■ 40.6112, 49.1283,
83.6871

■ 50.6761, 58.7679,
85.0173

■ 36.8142, 45.0795,
83.1058

■ 57.0499, 64.4154,
85.7714

■ 33.7599, 41.5016,
82.5761

■ 64.3812, 70.6486,
86.5882

■ 31.3759, 38.3561,
82.0946

■ 72.7130, 77.4908,
87.4697

■ 29.5740, 35.5966,
81.6570

■ 82.0856, 84.9637,
88.4181

■ 28.7418, 34.1785,
81.4271

■ 87.5109, 90.4968,
89.2002

■ 89.4189, 94.3127,
89.8362

■ 91.3922, 98.2594,
90.4939

■ 91.5657, 98.6063,
90.5517

Harmonies

Analogous

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



42.3512, 53.6791, 70.2396



45.2116, 53.6791, 84.3221



49.7741, 53.6791, 91.6795

Triad

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



45.2116, 53.6791, 84.3221



61.5884, 53.6791, 62.1203



47.2493, 53.6791, 35.8343

Complementary

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



45.2116, 53.6791, 84.3221



49.2992, 42.8557, 26.4440

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.



52.2872, 53.6791, 34.4074



45.2116, 53.6791, 84.3221



60.7985, 53.6791, 48.0550

Square

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



45.2116, 53.6791, 84.3221



59.3971, 53.6791, 77.5231



57.3065, 53.6791, 38.4946



43.4707, 53.6791, 42.7897

Rectangle

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



45.2116, 53.6791, 84.3221



53.2619, 53.6791, 91.0314



57.3065, 53.6791, 38.4946



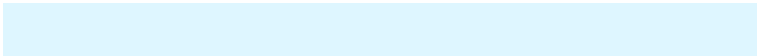
48.8427, 53.6791, 34.7465

Sweetspot

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



45.2133, 53.6812, 84.3234



81.0806, 88.6307, 107.4418



43.9515, 64.7977, 41.8523



16.8928, 18.5853, 22.9469



0.0000, 0.0000, 0.0000



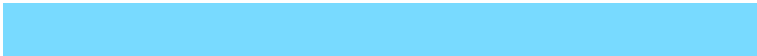
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2133, 53.6812, 84.3234



50.9144, 61.4812, 103.7913



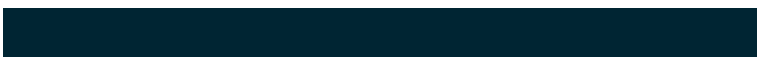
35.0169, 33.2883, 80.9246



14.4588, 15.6389, 18.4009



16.0659, 19.1940, 45.2412



1.2634, 1.5707, 3.3686

Inverse Universe

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



52.0294, 37.2175, 61.5704



60.6277, 39.7326, 70.9834



59.7901, 63.8376, 29.9410



14.8192, 14.5448, 17.2480



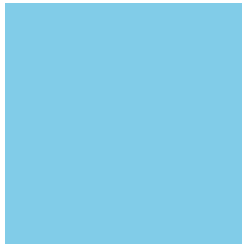
22.5029, 11.1354, 22.0748



1.7013, 0.8382, 1.8337

Previews

White Background



This preview shows how the XYZ color 45.2116, 53.6791, 84.3221 looks on a white background.

Color Contrast Check

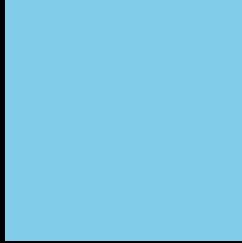
Large Text (above 18pt) WCAG AA × Fail

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 45.2116, 53.6791, 84.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

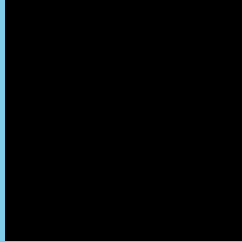
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2116, 53.6791, 84.3221

Background



This preview shows how black text looks on a background with the XYZ color 45.2116, 53.6791, 84.3221.



This preview shows how white text looks on a background with the XYZ color 45.2116, 53.6791,

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

45.2116, 53.6791, 84.3221

Protanopia

52.4436, 53.1541, 77.3077

Deuteranopia

54.4282, 53.3405, 86.0243



Tritanopia

43.8603, 53.8522, 77.1901

Trichromacy



Original Color

45.2116, 53.6791, 84.3221

Protanomaly

49.1933, 53.0778, 79.6038

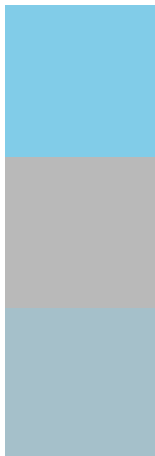
Deuteranomaly

50.2915, 52.8489, 85.3921

Tritanomaly

44.3112, 53.6657, 79.9746

Monochromacy



Original Color

45.2116, 53.6791, 84.3221

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.0274, 49.9629, 63.1477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2116, 53.6791, 84.3221 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(129, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(129, 204, 232)  
}
```

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(129, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.2116, 53.6791, 84.3221 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(129, 204, 232) }
```


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

```
.border{ border-color:rgb(129, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(129, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2116, 53.6791, 84.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 204, 232) }
```

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

```
.background{ background-color: rgb(129,  
204, 232) }
```

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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