

Converting Colors

XYZ(45.8234, 55.7871, 84.6968)

Have a look what the booklet for
XYZ(45.8234, 55.7871, 84.6968)
contains.

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Color

**XYZ(45.8234, 55.7871,
84.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD1E8
RGB	125, 209, 232
RGB Percent	49%, 82%, 91%
CMY	0.5098, 0.1804, 0.0902
CMYK	0.46, 0.10, 0.00, 0.09
HSL	193°, 70%, 70%
HSV	193°, 46%, 91%
XYZ	45.8234, 55.7871, 84.6968
YIQ	186.5060, -57.4470, -10.6550

Conversions

Conversions Part 2

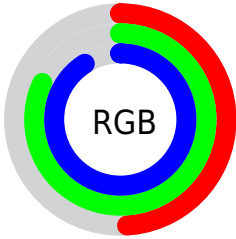
Format	Color
RYB	125, 172, 232
Decimal	8245736
CIELab	79.49, -19.55, -19.29
CIELCh	79, 27.464, 224.628
Yxy	55.7871, 0.2460, 0.2994
Android (android.graphics.Color)	4286435816 (0xFF7DD1E8)
YUV	186.5060, 22.4285, -53.9408
Hunter-Lab	74.6908, -21.1976, -14.9493

Details

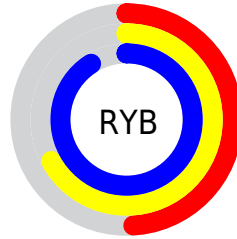
The XYZ color **45.8234, 55.7871, 84.6968** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5715, 39.8175, 24.5819**, and the grayscale version is **46.8586, 49.2989, 53.6865**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **21.6388, 27.4040, 45.2233** is the 20% darker color. If you saturate the color by 10%, you get **41.6199, 51.8334, 84.1562**, and if you desaturate by 10%, it is **50.8596, 60.2294, 85.2898**.

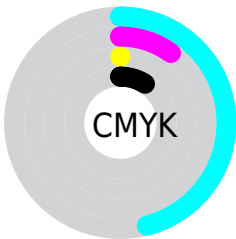
Distribution



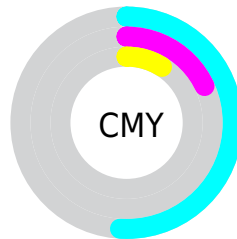
- Red (49%)
- Green (82%)
- Blue (91%)



- Red (49%)
- Yellow (67%)
- Blue (91%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8234, 55.7871, 84.6968 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 45.8234, 55.7871, 84.6968 by changing the saturation by 10% instead.

■ 45.8234, 55.7871,
84.6968

■ 45.8234, 55.7871,
84.6968

360.8261,
408.8887, 530.7427

■ 32.3105, 40.0323,
63.0422

■ 83.1841, 98.6932,
141.8199

■ 21.7555, 27.5637,
45.4341

■ 107.7627,
126.6133, 178.1254

■ 13.7929, 17.9970,
31.4541

■ 136.7605,
159.3572, 220.1517

■ 8.0575, 10.9479,
20.6835

170.5429,
197.3094, 268.3172

■ 4.1839, 6.0318,
12.7039

209.4754,
240.8543, 323.0405

■ 1.8067, 2.8644,
7.0966

253.9231,

■ 0.5217, 1.0614,

290.3762, 384.7402

3.4432

304.2516,
346.2595, 453.8347

■ 0.0000, 0.0000,
1.3252

■ 0.0000, 0.0000,
0.0823

■ 45.8234, 55.7871,
84.6968

■ 45.8234, 55.7871,
84.6968

■ 41.6199, 51.8334,
84.1562

■ 50.8596, 60.2294,
85.2898

■ 38.1877, 48.3324,
83.6613


■ 56.7741, 65.1807,
85.9338


■ 35.4649, 45.2529,
83.2104


■ 63.6153, 70.6675,
86.6323


■ 33.3775, 42.5563,
82.8000


■ 71.4264, 76.7127,
87.3874


 31.8335, 40.1945,
82.4255


 80.2480, 83.3376,
88.2012

 31.3213, 39.3374,
82.2870

 86.6498, 88.7744,
88.9132

 88.1293, 91.7335,
89.4064

 89.6494, 94.7738,
89.9131

 91.2105, 97.8959,
90.4334

Harmonies

Analogous

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



43.4030, 55.7871, 68.7473



45.8234, 55.7871, 84.6968



50.2600, 55.7871, 95.0192

Triad

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



45.8234, 55.7871, 84.6968



63.9306, 55.7871, 69.1618



50.3884, 55.7871, 35.8227

Complementary

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



45.8234, 55.7871, 84.6968



47.5715, 39.8175, 24.5819

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.



55.8875, 55.7871, 35.8945



45.8234, 55.7871, 84.6968



63.9709, 55.7871, 53.3848

Square

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



45.8234, 55.7871, 84.6968



60.8351, 55.7871, 85.0453



60.9419, 55.7871, 41.7932



45.9118, 55.7871, 41.5763

Rectangle

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



45.8234, 55.7871, 84.6968



53.8850, 55.7871, 96.3571



60.9419, 55.7871, 41.7932



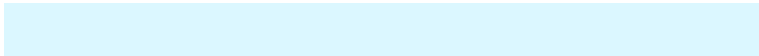
52.1721, 55.7871, 35.2031

Sweetspot

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



45.8251, 55.7892, 84.6981



80.7145, 89.0481, 107.5416



42.5349, 64.1623, 37.5020



16.8498, 18.7254, 22.9762



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.



45.8251, 55.7892, 84.6981



51.9733, 64.6197, 104.3413



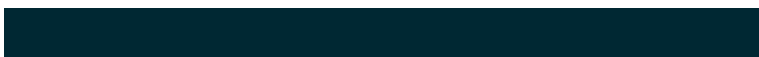
35.0984, 34.3357, 81.1225



14.5308, 15.7829, 18.4249



17.4837, 22.0296, 45.7138



1.3576, 1.7592, 3.4000

Inverse Universe

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



52.1224, 36.4281, 64.6080



60.9130, 38.8928, 75.4268



57.6128, 59.9002, 27.9290



14.8555, 14.5594, 17.4394



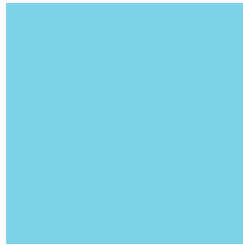
23.2185, 11.4216, 25.8433



1.7489, 0.8573, 2.0842

Previews

White Background



This preview shows how the XYZ color 45.8234, 55.7871, 84.6968 looks on a white background.

Color Contrast Check

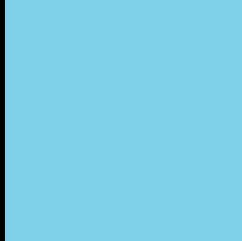
Large Text (above 18pt) WCAG AA × Fail

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 45.8234, 55.7871, 84.6968 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 45.8234, 55.7871, 84.6968

Background



This preview shows how black text looks on a background with the XYZ color 45.8234, 55.7871, 84.6968.



This preview shows how white text looks on a background with the XYZ color 45.8234, 55.7871,

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

45.8234, 55.7871, 84.6968

Protanopia

54.2148, 55.0640, 76.8782

Deuteranopia

56.4956, 55.3575, 87.0643



Tritanopia

45.0801, 55.8502, 81.0772

Trichromacy



Original Color

45.8234, 55.7871, 84.6968

Protanomaly

50.2993, 54.6627, 79.8514

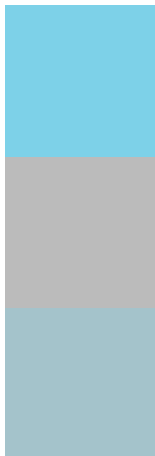
Deuteranomaly

51.7670, 54.9324, 86.4719

Tritanomaly

45.5016, 56.0354, 82.5465

Monochromacy



Original Color

45.8234, 55.7871, 84.6968

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.6044, 51.2345, 63.9856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8234, 55.7871, 84.6968 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(125, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 209, 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(125, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 209, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.8234, 55.7871, 84.6968 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(125, 209, 232) }
```


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

```
.border{ border-color:rgb(125, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 209,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8234, 55.7871, 84.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 209, 232) }
```

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

```
.background{ background-color: rgb(125,  
209, 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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