

Converting Colors

XYZ(45.9313, 58.3387, 73.1340)

Have a look what the booklet for
XYZ(45.9313, 58.3387, 73.1340)
contains.

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Color

**XYZ(45.9263, 58.3325,
73.1287)**

Conversions

Conversions Part 1

Format	Color
Hex	83D7D7
RGB	131, 215, 215
RGB Percent	51%, 84%, 84%
CMY	0.4863, 0.1568, 0.1569
CMYK	0.39, 0.00, 0.00, 0.16
HSL	180°, 51%, 68%
HSV	180°, 39%, 84%
XYZ	45.9263, 58.3325, 73.1287
YIQ	189.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

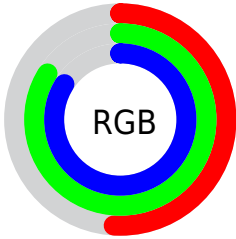
Format	Color
RYB	131, 173, 215
Decimal	8640471
CIELab	80.92, -25.42, -8.04
CIELCh	81, 26.660, 197.550
Yxy	58.3325, 0.2589, 0.3288
Android (android.graphics.Color)	4286830551 (0xFF83D7D7)
YUV	189.8840, 12.3822, -51.6413
Hunter-Lab	76.3757, -26.3218, -3.3064

Details

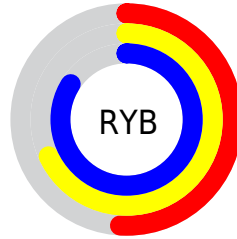
The XYZ color **45.9263, 58.3325, 73.1287** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.2394, 32.3202, 25.5925**, and the grayscale version is **48.8299, 51.3729, 55.9451**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **21.8176, 29.1755, 37.7392** is the 20% darker color. If you saturate the color by 10%, you get **42.9361, 56.7924, 72.9896**, and if you desaturate by 10%, it is **49.6109, 60.2334, 73.3028**.

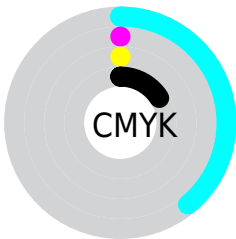
Distribution



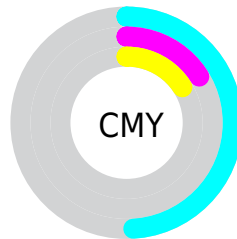
- Red (51%)
- Green (84%)
- Blue (84%)



- Red (51%)
- Yellow (68%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9263, 58.3325, 73.1287 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 45.9263, 58.3325, 73.1287 by changing the saturation by 10% instead.


 45.9263, 58.3325,
73.1287


 45.9263, 58.3325,
73.1287


361.2332,
418.4238, 490.5435


 32.3920, 42.0760,
53.5887


 83.3372, 102.4069,
125.3825

 21.8181, 29.1608,
37.8820


 107.9446,
130.9936, 158.9334

 13.8392, 19.2025,
25.5900


 136.9737,
164.4592, 197.9918

 8.0898, 11.8167,
16.2942

170.7900,
203.1880, 242.9761

 4.2048, 6.6190,
9.5760

209.7587,
247.5645, 294.3048

 1.8186, 3.2250,
5.0168

254.2452,

 0.5289, 1.2503,

297.9730, 352.3966

2.1982

304.6149,
354.7980, 417.6700

■ 0.0000, 0.1022,
0.6733

■ 0.0000, 0.0000,
0.0000

■ 45.9263, 58.3325,
73.1287

■ 45.9263, 58.3325,
73.1287

■ 42.9361, 56.7924,
72.9896

■ 49.6109, 60.2334,
73.3028

■ 40.5920, 55.5840,
72.8795

■ 54.0241, 62.5085,
73.5097

■ 38.8479, 54.6849,
72.7975

■ 59.2040, 65.1788,
73.7526

■ 37.6493, 54.0670,
72.7410

■ 65.1845, 68.2619,
74.0328

■ 36.9319, 53.6972,
72.7071

■ 71.9977, 71.7742,
74.3521

■ 36.5919, 53.5219,
72.6907

■ 77.8078, 74.7694,
74.6244

■ 36.5669, 53.5090,
72.6895

■ 77.8079, 74.7694,
74.6248

■ 77.8079, 74.7694,
74.6252

■ 77.8080, 74.7695,
74.6256

Harmonies

Analogous

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



45.7110, 58.3325, 57.1835



45.9263, 58.3325, 73.1287



48.5834, 58.3325, 88.6885

Triad

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



45.9263, 58.3325, 73.1287



63.6499, 58.3325, 86.3201



57.7632, 58.3325, 38.2145

Complementary

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



45.9263, 58.3325, 73.1287



40.2394, 32.3202, 25.5925

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.



62.9204, 58.3325, 43.6208



45.9263, 58.3325, 73.1287



66.4673, 58.3325, 70.2956

Square

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



45.9263, 58.3325, 73.1287



58.7059, 58.3325, 97.1301



66.1918, 58.3325, 54.7816



52.3038, 58.3325, 38.7157

Rectangle

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



45.9263, 58.3325, 73.1287



51.4879, 58.3325, 95.9552



66.1918, 58.3325, 54.7816



59.5962, 58.3325, 39.3582

Sweetspot

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



45.9280, 58.3348, 73.1301



84.6745, 94.6512, 108.4137



37.9774, 55.1798, 30.1233



17.9045, 20.1462, 23.1947



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.



45.9280, 58.3348, 73.1301



63.8253, 83.9031, 107.4359



36.8411, 40.1605, 70.1026



12.7922, 14.1079, 15.9863



21.8705, 32.0036, 43.4754



1.3191, 1.9303, 2.6223

Inverse Universe

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



40.2394, 32.3202, 25.5925



54.3089, 40.3834, 27.9107



46.7997, 45.4409, 27.7785



12.4233, 12.4208, 12.9035



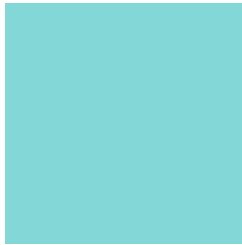
16.7620, 8.6411, 0.7846



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 45.9263, 58.3325, 73.1287 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 45.9263, 58.3325, 73.1287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

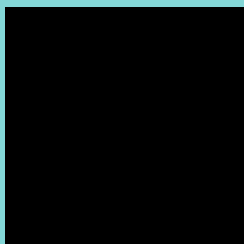
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

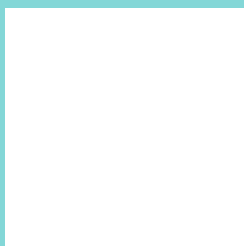
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9263, 58.3325, 73.1287

Background



This preview shows how black text looks on a background with the XYZ color 45.9263, 58.3325, 73.1287.



This preview shows how white text looks on a background with the XYZ color 45.9263, 58.3325,

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

45.9263, 58.3325, 73.1287

Protanopia

55.8000, 57.8112, 65.9753

Deuteranopia

58.6563, 57.3997, 75.0056



Tritanopia

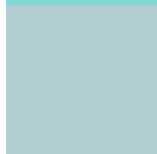
48.0689, 58.4526, 83.6119

Trichromacy



Original Color

45.9263, 58.3325, 73.1287



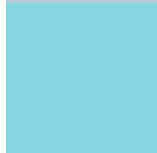
Protanomaly

51.2444, 57.4962, 68.7186



Deuteranomaly

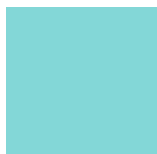
52.8315, 57.1268, 74.5717



Tritanomaly

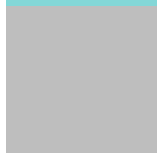
47.4687, 58.5977, 80.0428

Monochromacy



Original Color

45.9263, 58.3325, 73.1287



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.0944, 53.4054, 61.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9263, 58.3325, 73.1287 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(131, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(131, 215, 215)  
}
```

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(131, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 215, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.9263, 58.3325, 73.1287 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(131, 215, 215) }
```


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

```
.border{ border-color:rgb(131, 215, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 215, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 215, 215);  
box-shadow:4px 4px 4px 4px rgb(131, 215,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9263, 58.3325, 73.1287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 215, 215) }
```

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

```
.background{ background-color: rgb(131,  
215, 215) }
```

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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