

Converting Colors

XYZ(45.1634, 60.0759, 63.1375)

Have a look what the booklet for
XYZ(45.1634, 60.0759, 63.1375)
contains.

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Color

**XYZ(45.2621, 60.1352,
63.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	83DCC7
RGB	131, 220, 199
RGB Percent	51%, 86%, 78%
CMY	0.4863, 0.1372, 0.2196
CMYK	0.40, 0.00, 0.10, 0.14
HSL	166°, 56%, 69%
HSV	166°, 40%, 86%
XYZ	45.2621, 60.1352, 63.2545
YIQ	190.9950, -46.3030, -25.3990

Conversions

Conversions Part 2

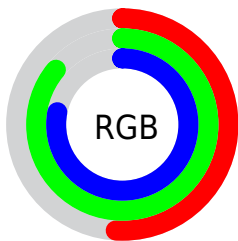
Format	Color
RYB	131, 181, 220
Decimal	8641735
CIELab	81.91, -31.58, 1.93
CIELCh	82, 31.639, 176.499
Yxy	60.1352, 0.2684, 0.3566
Android (android.graphics.Color)	4286831815 (0xFF83DCC7)
YUV	190.9950, 3.9465, -52.6156
Hunter-Lab	77.5469, -31.5213, 5.9203

Details

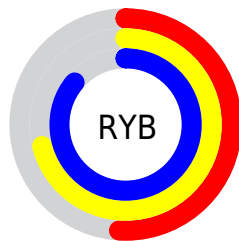
The XYZ color **45.2621, 60.1352, 63.2545** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3011, 33.7169, 33.9340**, and the grayscale version is **49.5169, 52.0956, 56.7321**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **21.4676, 30.4505, 31.5341** is the 20% darker color. If you saturate the color by 10%, you get **41.6175, 58.3264, 59.9918**, and if you desaturate by 10%, it is **49.6541, 62.3300, 66.6622**.

Distribution



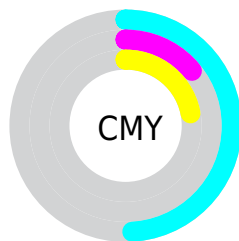
- Red (51%)
- Green (86%)
- Blue (78%)



- Red (51%)
- Yellow (71%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2621, 60.1352, 63.2545 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 45.2621, 60.1352, 63.2545 by changing the saturation by 10% instead.


 45.2621, 60.1352,
63.2545


 45.2621, 60.1352,
63.2545

358.5999,
425.0959, 454.6259


 31.8661, 43.5276,
45.6048


 82.3482, 105.0258,
111.1257

 21.4143, 30.2993,
31.5877


 106.7690,
134.0775, 142.1843

 13.5413, 20.0659,
20.7845


 135.5955,
168.0462, 178.5496

 7.8819, 12.4429,
12.7769

169.1930,
207.3161, 220.6402

 4.0707, 7.0461,
7.1462

207.9268,
252.2716, 268.8746

 1.7422, 3.4909,
3.4739

252.1623,

 0.4825, 1.3931,

303.2971, 323.6713

1.3414

302.2649,
360.7771, 385.4489

■ 0.0000, 0.2116,
0.0954

■ 0.0000, 0.0000,
0.0000

■ 45.2621, 60.1352,
63.2545

■ 45.2621, 60.1352,
63.2545

■ 41.6175, 58.3264,
59.9918

■ 49.6541, 62.3300,
66.6622

■ 38.6689, 56.8724,
56.8666

■ 54.8307, 64.9254,
70.2137


■ 36.3661, 55.7490,
53.8769


■ 60.8327, 67.9439,
73.9133


■ 34.6501, 54.9259,
51.0188


■ 67.6967, 71.4043,
77.7637


 33.4505, 54.3667,
48.2880


 75.4568, 75.3242,
81.7674

 32.6703, 54.0189,
45.7933

 81.1384, 78.1701,
85.7863

 81.8793, 78.4665,
89.6874

 82.6420, 78.7716,
93.7039

 83.4268, 79.0855,
97.8367

Harmonies

Analogous

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



47.0936, 60.1352, 47.1865



45.2621, 60.1352, 63.2545



46.4070, 60.1352, 83.3151

Triad

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



45.2621, 60.1352, 63.2545



63.0863, 60.1352, 104.2595



64.5495, 60.1352, 39.3257

Complementary

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



45.2621, 60.1352, 63.2545



43.3011, 33.7169, 33.9340

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.



69.4501, 60.1352, 50.3861



45.2621, 60.1352, 63.2545



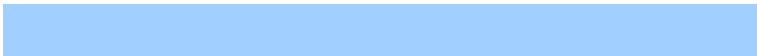
68.5600, 60.1352, 87.9716

Square

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



45.2621, 60.1352, 63.2545



56.3753, 60.1352, 109.5261



70.9715, 60.1352, 67.7510



57.9453, 60.1352, 35.1762

Rectangle

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



45.2621, 60.1352, 63.2545



48.7567, 60.1352, 95.9761



70.9715, 60.1352, 67.7510



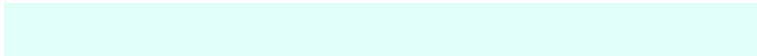
66.4700, 60.1352, 42.2386

Sweetspot

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



45.2638, 60.1376, 63.2559



83.5336, 94.1949, 102.4060



42.8760, 59.6242, 30.7227



17.6343, 20.0381, 21.7718



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.



45.2638, 60.1376, 63.2559



58.6345, 81.7341, 84.2885



42.4172, 50.2688, 75.1801



13.3066, 14.7743, 16.0775



19.2183, 31.7199, 27.1125



1.2775, 2.0679, 1.9273

Inverse Universe

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



43.3011, 33.7169, 33.9340



55.5339, 39.7604, 37.7927



45.0461, 39.7206, 26.7666



13.1813, 13.1016, 14.2162



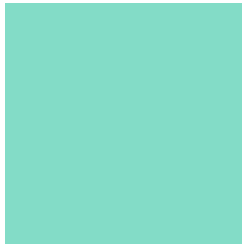
17.7210, 9.0894, 2.9108



1.1816, 0.6023, 0.3655

Previews

White Background



This preview shows how the XYZ color 45.2621, 60.1352, 63.2545 looks on a white background.

Color Contrast Check

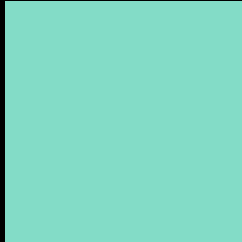
Large Text (above 18pt) WCAG AA × Fail

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 45.2621, 60.1352, 63.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

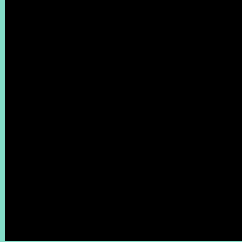
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

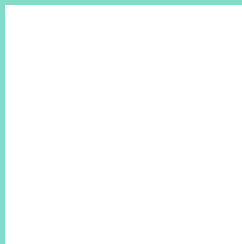
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2621, 60.1352, 63.2545

Background



This preview shows how black text looks on a background with the XYZ color 45.2621, 60.1352, 63.2545.



This preview shows how white text looks on a background with the XYZ color 45.2621, 60.1352,

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

45.2621, 60.1352, 63.2545

Protanopia

56.6003, 59.4705, 56.6399

Deuteranopia

60.4578, 59.2116, 65.3693



Tritanopia

49.6811, 60.0025, 85.3071

Trichromacy



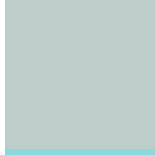
Original Color

45.2621, 60.1352, 63.2545



Protanomaly

51.4822, 59.2749, 59.1799



Deuteranomaly

53.2310, 58.6183, 64.3860



Tritanomaly

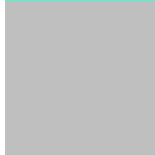
48.0476, 60.1114, 76.7804

Monochromacy



Original Color

45.2621, 60.1352, 63.2545



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.2203, 54.5711, 59.0834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2621, 60.1352, 63.2545 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, 220, 199)` looks like.

```
.text, #text, p{  
    color:rgb(131, 220, 199)  
}
```

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, 220, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 220, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.2621, 60.1352, 63.2545 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, 220, 199) }
```


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

```
.border{ border-color:rgb(131, 220, 199) }
```

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

Here you see how a box with a 4 pixel rgb(131, 220, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 220, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 220, 199);  
box-shadow:4px 4px 4px 4px rgb(131, 220,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2621, 60.1352, 63.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 220, 199) }
```

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

```
.background{ background-color: rgb(131,  
220, 199) }
```

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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