

Converting Colors

XYZ(51.6448, 65.7125, 65.2011)

Have a look what the booklet for
XYZ(51.6448, 65.7125, 65.2011)
contains.

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Color

**XYZ(51.6436, 65.7779,
65.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE2C9
RGB	157, 226, 201
RGB Percent	62%, 89%, 79%
CMY	0.3843, 0.1137, 0.2118
CMYK	0.31, 0.00, 0.11, 0.11
HSL	158°, 54%, 75%
HSV	158°, 31%, 89%
XYZ	51.6436, 65.7779, 65.2328
YIQ	202.5190, -33.0990, -22.4030

Conversions

Conversions Part 2

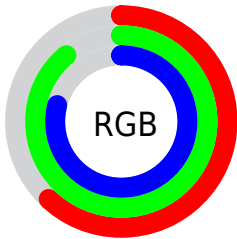
Format	Color
RYB	157, 199, 226
Decimal	10347209
CIELab	84.88, -26.84, 5.33
CIELCh	85, 27.363, 168.761
Yxy	65.7779, 0.2827, 0.3601
Android (android.graphics.Color)	4288537289 (0xFF9DE2C9)
YUV	202.5190, -0.7489, -39.9202
Hunter-Lab	81.1036, -28.2694, 9.0847

Details

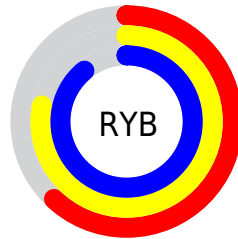
The XYZ color **51.6436, 65.7779, 65.2328** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8668, 43.6618, 49.9526**, and the grayscale version is **56.4841, 59.4257, 64.7146**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **25.2347, 33.7396, 32.7861** is the 20% darker color. If you saturate the color by 10%, you get **46.6980, 63.3384, 60.1068**, and if you desaturate by 10%, it is **57.4599, 68.6637, 70.6706**.

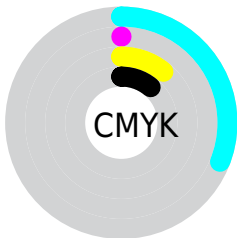
Distribution



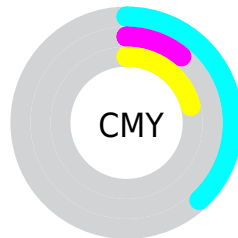
- Red (62%)
- Green (89%)
- Blue (79%)



- Red (62%)
- Yellow (78%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6436, 65.7779, 65.2328 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 51.6436, 65.7779, 65.2328 by changing the saturation by 10% instead.


 51.6436, 65.7779,
65.2328


 51.6436, 65.7779,
65.2328


383.4058,
445.5822, 461.9572

 36.9442, 48.0921,
47.1973


 91.7828, 113.1675,
114.0010

 25.3378, 33.8999,
32.8362


 117.9532,
143.6401, 145.5707

 16.4589, 22.8167,
21.7309


148.6781,
179.1438, 182.4890

 9.9424, 14.4582,
13.4629

184.3227,
220.0630, 225.1744

 5.4228, 8.4400,
7.6136

225.2524,
266.7820, 274.0453

 2.5347, 4.3778,
3.7645

271.8326,

 0.9128, 1.8871,

319.6853, 329.5204

1.4971

324.4286,
379.1572, 392.0182

■ 0.0000, 0.5406,
0.2157

■ 0.0000, 0.0000,
0.0000

■ 51.6436, 65.7779,
65.2328

■ 51.6436, 65.7779,
65.2328

■ 46.6980, 63.3384,
60.1068

■ 57.4599, 68.6637,
70.6706

■ 42.5716, 61.3138,
55.2817

■ 64.1836, 72.0096,
76.4216

■ 39.2162, 59.6807,
50.7524

■ 71.8561, 75.8385,
82.4931

■ 36.5757, 58.4107,
46.5121

■ 80.5146, 80.1695,
88.8908

■ 34.5863, 57.4706,
42.5533

■ 84.4567, 82.0628,
95.3516

■ 33.1719, 56.8216,
38.8677

■ 85.7144, 82.5659,
101.9743

■ 32.2402, 56.4122,
35.6200

■ 86.4876, 82.8752,
106.0459

Harmonies

Analogous

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



54.0582, 65.7779, 51.5698



51.6436, 65.7779, 65.2328



51.9972, 65.7779, 83.0513

Triad

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



51.6436, 65.7779, 65.2328



66.3931, 65.7779, 108.6306



70.6273, 65.7779, 49.0918

Complementary

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



51.6436, 65.7779, 65.2328



51.8668, 43.6618, 49.9526

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.



74.3744, 65.7779, 61.2906



51.6436, 65.7779, 65.2328



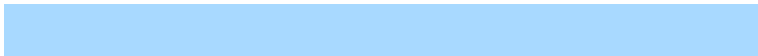
71.8215, 65.7779, 96.2935

Square

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



51.6436, 65.7779, 65.2328



60.2476, 65.7779, 110.1526



74.8252, 65.7779, 78.4131



64.8486, 65.7779, 43.3203

Rectangle

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



51.6436, 65.7779, 65.2328



53.7610, 65.7779, 94.9356



74.8252, 65.7779, 78.4131



72.1820, 65.7779, 52.4748

Sweetspot

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



51.6454, 65.7806, 65.2343



85.7947, 95.3801, 101.6287



52.6466, 66.8116, 42.0204



18.0643, 20.2661, 21.5081



0.0000, 0.0000, 0.0000



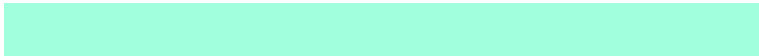
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6454, 65.7806, 65.2343



63.4137, 84.2712, 81.1994



52.3955, 62.1844, 81.1960



13.8948, 15.4836, 16.4812



18.4510, 32.2053, 20.6300



1.3214, 2.2493, 1.6535

Inverse Universe

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



51.8668, 43.6618, 49.9526



63.7557, 50.5604, 57.9323



51.1245, 45.9500, 38.0739



13.9115, 13.7822, 15.3039



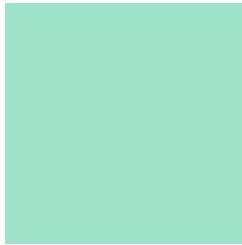
18.8116, 9.5917, 5.6739



1.3458, 0.6816, 0.6140

Previews

White Background



This preview shows how the XYZ color 51.6436, 65.7779, 65.2328 looks on a white background.

Color Contrast Check

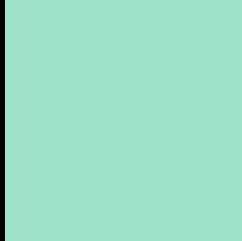
Large Text (above 18pt) WCAG AA × Fail

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 51.6436, 65.7779, 65.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

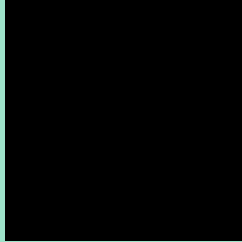
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

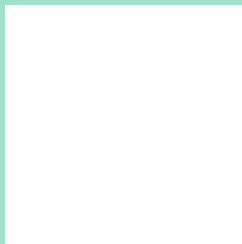
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6436, 65.7779, 65.2328

Background



This preview shows how black text looks on a background with the XYZ color 51.6436, 65.7779, 65.2328.



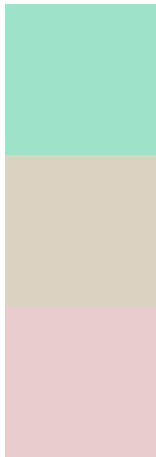
This preview shows how white text looks on a background with the XYZ color 51.6436, 65.7779,

65.2328.

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

51.6436, 65.7779, 65.2328

Protanopia

61.8856, 65.0035, 59.7373

Deuteranopia

66.3377, 64.9656, 67.4358



Tritanopia

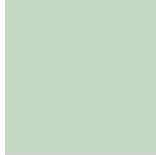
56.8061, 65.8853, 90.6121

Trichromacy



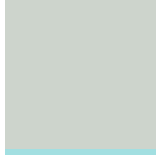
Original Color

51.6436, 65.7779, 65.2328



Protanomaly

57.2846, 64.8330, 61.7194



Deuteranomaly

59.6194, 64.4257, 66.4199



Tritanomaly

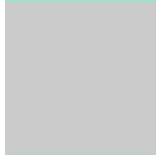
54.8786, 65.8930, 81.0604

Monochromacy



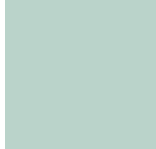
Original Color

51.6436, 65.7779, 65.2328



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.2046, 61.2919, 64.8507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6436, 65.7779, 65.2328 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(157, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(157, 226, 201)  
}
```

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(157, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 226, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.6436, 65.7779, 65.2328 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(157, 226, 201) }
```


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

```
.border{ border-color:rgb(157, 226, 201) }
```

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

Here you see how a box with a 4 pixel rgb(157, 226, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(157, 226,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6436, 65.7779, 65.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 226, 201) }
```

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

```
.background{ background-color: rgb(157,  
226, 201) }
```

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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