

Converting Colors

XYZ(36.8036, 60.3110, 51.7729)

Have a look what the booklet for
XYZ(36.8036, 60.3110, 51.7729)
contains.

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Color

**XYZ(36.9211, 60.5256,
51.8562)**

Conversions

Conversions Part 1

Format	Color
Hex	15E7B2
RGB	21, 231, 178
RGB Percent	8%, 91%, 70%
CMY	0.9176, 0.0941, 0.3020
CMYK	0.91, 0.00, 0.23, 0.09
HSL	165°, 83%, 49%
HSV	165°, 91%, 91%
XYZ	36.9211, 60.5256, 51.8562
YIQ	162.1680, -108.1470, -61.0030

Conversions

Conversions Part 2

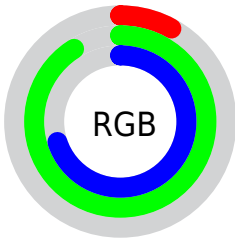
Format	Color
R_{YB}	21, 141, 231
Decimal	1435570
CIE Lab	82.12, -58.12, 12.99
CIE LCh	82, 59.555, 167.400
Yxy	60.5256, 0.2473, 0.4054
Android (android.graphics.Color)	4279625650 (0xFF15E7B2)
YUV	162.1680, 7.8052, -123.8043
Hunter-Lab	77.7982, -51.4352, 14.9391

Details

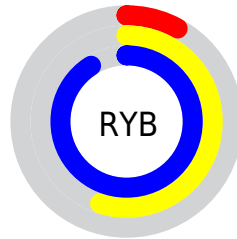
The XYZ color **36.9211, 60.5256, 51.8562** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.4616, 18.0214, 8.1450**, and the grayscale version is **34.4261, 36.2190, 39.4425**.

A 20% lighter version of the original color is **57.5507, 81.0379, 90.4505**, and **18.8377, 31.7528, 24.5381** is the 20% darker color. If you saturate the color by 10%, you get **36.0903, 60.1592, 49.0907**, and if you desaturate by 10%, it is **38.2551, 61.1457, 55.0417**.

Distribution



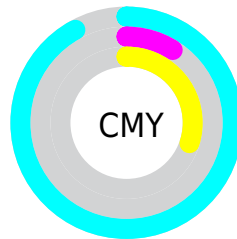
- Red (8%)
- Green (91%)
- Blue (70%)



- Red (8%)
- Yellow (55%)
- Blue (91%)



- Cyan (91%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)





- Cyan (92%)
- Magenta (9%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9211, 60.5256, 51.8562 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 36.9211, 60.5256, 51.8562 by changing the saturation by 10% instead.


 36.9211, 60.5256,
51.8562


 36.9211, 60.5256,
51.8562


324.3303,
426.5324, 410.8223


 25.3198, 43.8424,
36.5090


 69.7660, 105.5917,
94.3436


 16.4455, 30.5466,
24.5348


 91.7404, 134.7435,
122.3208


 9.9328, 20.2539,
15.5149


 117.9031,
168.8202, 155.3452

 5.4163, 12.5797,
9.0309

 148.6196,
208.2063, 193.8351

 2.5308, 7.1398,
4.6643

 184.2552,
253.2862, 238.2093

 0.9108, 3.5497,
1.9964

225.1753,

 0.0000, 1.4250,

304.4443, 288.8862

0.5531

271.7452,
362.0649, 346.2844

■ 0.0000, 0.2350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9211, 60.5256,
51.8562

■ 36.9211, 60.5256,
51.8562


■ 36.0903, 60.1592,
49.0907


■ 38.2551, 61.1457,
55.0417


■ 40.1645, 62.0581,
58.3842


■ 42.7313, 63.3063,
61.8905


■ 46.0226, 64.9251,
65.5653

 50.0972, 66.9447,
69.4128

 55.0078, 69.3922,
73.4368

 60.8022, 72.2923,
77.6412

 67.5248, 75.6678,
82.0293

 75.2167, 79.5398,
86.6046

Harmonies

Analogous

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



41.4293, 60.5256, 29.1265



36.9211, 60.5256, 51.8562



37.3145, 60.5256, 88.9834

Triad

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



36.9211, 60.5256, 51.8562



65.1055, 60.5256, 157.1231



75.5945, 60.5256, 26.7995

Complementary

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



36.9211, 60.5256, 51.8562



34.4616, 18.0214, 8.1450

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.



83.9729, 60.5256, 47.2030



36.9211, 60.5256, 51.8562



77.3346, 60.5256, 125.1277

Square

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



36.9211, 60.5256, 51.8562



52.3879, 60.5256, 159.8315



84.6527, 60.5256, 82.2796



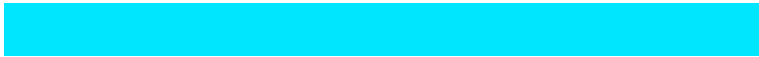
62.9933, 60.5256, 18.6424

Rectangle

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



36.9211, 60.5256, 51.8562



40.3013, 60.5256, 117.8577



84.6527, 60.5256, 82.2796



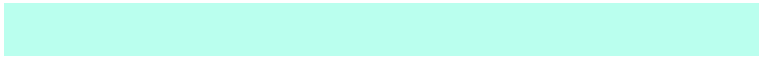
79.0734, 60.5256, 32.0237

Sweetspot

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



36.9228, 60.5280, 51.8576



71.4232, 88.1287, 93.8438



31.7745, 58.7866, 10.3828



14.7794, 18.6092, 19.7048



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.



36.9228, 60.5280, 51.8576



45.1239, 75.2655, 61.2294



31.4636, 39.3886, 81.5484



14.6439, 16.2710, 17.6553



20.2845, 33.7459, 27.7962



1.5357, 2.5084, 2.2477

Inverse Universe

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



34.4616, 18.0214, 8.1450



42.1758, 21.6343, 6.8580



35.2830, 21.4263, 2.9866



14.5255, 14.4274, 15.7016



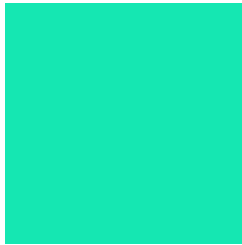
18.9498, 9.7141, 3.3645



1.4371, 0.7325, 0.4421

Previews

White Background



This preview shows how the XYZ color 36.9211, 60.5256, 51.8562 looks on a white background.

Color Contrast Check

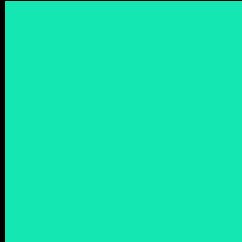
Large Text (above 18pt) WCAG AA × Fail

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 36.9211, 60.5256, 51.8562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

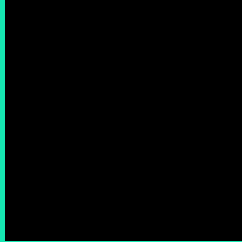
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

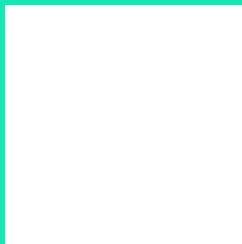
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9211, 60.5256, 51.8562

Background



This preview shows how black text looks on a background with the XYZ color 36.9211, 60.5256, 51.8562.

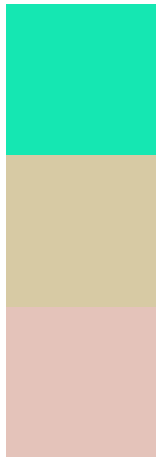


This preview shows how white text looks on a background with the XYZ color 36.9211, 60.5256,

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

36.9211, 60.5256, 51.8562

Protanopia

55.8457, 59.3685, 43.6378

Deuteranopia

60.3729, 59.0694, 54.6739



Tritanopia

45.0889, 60.5821, 92.5362

Trichromacy



Original Color

36.9211, 60.5256, 51.8562



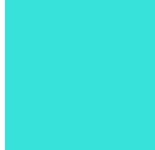
Protanomaly

42.4573, 56.3824, 46.1813



Deuteranomaly

44.2400, 55.3030, 53.1426



Tritanomaly

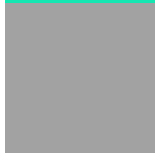
41.4268, 60.2669, 75.7789

Monochromacy



Original Color

36.9211, 60.5256, 51.8562



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.3938, 41.7473, 43.4492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9211, 60.5256, 51.8562 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(21, 231, 178)` looks like.

```
.text, #text, p{  
    color:rgb(21, 231, 178)  
}
```

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(21, 231, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 231, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.9211, 60.5256, 51.8562 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(21, 231, 178) }
```


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

```
.border{ border-color:rgb(21, 231, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 231, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 231, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 231, 178);  
box-shadow:4px 4px 4px 4px rgb(21, 231,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9211, 60.5256, 51.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 231, 178) }
```

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

```
.background{ background-color: rgb(21, 231,  
178) }
```

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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