

Converting Colors

XYZ(36.5824, 59.9254, 51.3902)

Have a look what the booklet for
XYZ(36.5824, 59.9254, 51.3902)
contains.

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Color

**XYZ(36.5635, 59.9385,
51.2372)**

Conversions

Conversions Part 1

Format	Color
Hex	16E6B1
RGB	22, 230, 177
RGB Percent	9%, 90%, 69%
CMY	0.9137, 0.0980, 0.3059
CMYK	0.90, 0.00, 0.23, 0.10
HSL	165°, 83%, 49%
HSV	165°, 90%, 90%
XYZ	36.5635, 59.9385, 51.2372
YIQ	161.7660, -106.9550, -60.5790

Conversions

Conversions Part 2

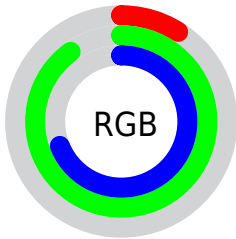
Format	Color
RYB	22, 141, 230
Decimal	1500849
CIELab	81.80, -57.93, 13.07
CIELCh	82, 59.386, 167.290
Yxy	59.9385, 0.2475, 0.4057
Android (android.graphics.Color)	4279690929 (0xFF16E6B1)
YUV	161.7660, 7.5104, -122.5748
Hunter-Lab	77.4200, -51.1839, 14.9553

Details

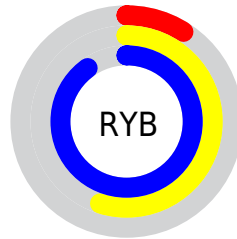
The XYZ color **36.5635, 59.9385, 51.2372** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.1923, 17.9064, 8.3145**, and the grayscale version is **34.2384, 36.0215, 39.2274**.

A 20% lighter version of the original color is **57.4074, 80.9806, 89.6959**, and **18.5817, 31.3424, 24.1391** is the 20% darker color. If you saturate the color by 10%, you get **35.6858, 59.5508, 48.3373**, and if you desaturate by 10%, it is **37.9139, 60.5672, 54.4176**.

Distribution



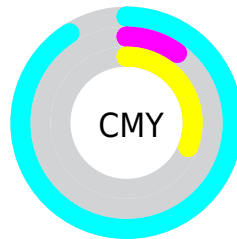
- Red (9%)
- Green (90%)
- Blue (69%)



- Red (9%)
- Yellow (55%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (91%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5635, 59.9385, 51.2372 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 36.5635, 59.9385, 51.2372 by changing the saturation by 10% instead.


 36.5635, 59.9385,
51.2372


 36.5635, 59.9385,
51.2372


322.8053,
424.3710, 408.3575


 25.0418, 43.3691,
36.0194


 69.2191, 104.7404,
93.4204


 16.2371, 30.1748,
24.1594

 91.0838, 133.7418,
121.2228


 9.7840, 19.9713,
15.2386


 117.1269,
167.6558, 154.0572

 5.3172, 12.3742,
8.8385

 147.7137,
206.8670, 192.3421

 2.4712, 6.9991,
4.5406

 183.2095,
251.7597, 236.4961

 0.8807, 3.4615,
1.9264

223.9799,

 0.0000, 1.3772,

302.7184, 286.9376

0.5094

270.3900,
360.1274, 344.0852

■ 0.0000, 0.1998,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5635, 59.9385,
51.2372

■ 36.5635, 59.9385,
51.2372

■ 35.6858, 59.5508,
48.3373

■ 37.9139, 60.5672,
54.4176

■ 39.8385, 61.4875,
57.7561

■ 42.4178, 62.7422,
61.2594

■ 45.7176, 64.3655,
64.9322

■ 49.7959, 66.3870,
68.7786

■ 54.7044, 68.8335,
72.8026

■ 60.4904, 71.7292,
77.0079

■ 67.1975, 75.0966,
81.3979

■ 74.8664, 78.9567,
85.9759

Harmonies

Analogous

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



41.0471, 59.9385, 28.7762



36.5635, 59.9385, 51.2372



36.9352, 59.9385, 87.9749

Triad

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



36.5635, 59.9385, 51.2372



64.4289, 59.9385, 155.7174



74.9102, 59.9385, 26.5779

Complementary

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



36.5635, 59.9385, 51.2372



34.1923, 17.9064, 8.3145

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.



83.1882, 59.9385, 46.8405



36.5635, 59.9385, 51.2372



76.5547, 59.9385, 124.0934

Square

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



36.5635, 59.9385, 51.2372



51.8350, 59.9385, 158.2774



83.8306, 59.9385, 81.6395



62.4328, 59.9385, 18.4624

Rectangle

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



36.5635, 59.9385, 51.2372



39.8820, 59.9385, 116.5832



83.8306, 59.9385, 81.6395



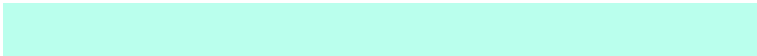
78.3508, 59.9385, 31.7682

Sweetspot

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



36.5651, 59.9408, 51.2386



71.3988, 88.1189, 93.7150



31.5424, 58.2515, 10.3412



14.7736, 18.6068, 19.6741



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.



36.5651, 59.9408, 51.2386



45.0561, 75.2385, 60.8729



31.2351, 39.1250, 80.7712



14.6423, 16.2704, 17.6472



20.2545, 33.7339, 27.6384



1.5337, 2.5076, 2.2372

Inverse Universe

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



34.1923, 17.9064, 8.3145



42.1936, 21.6415, 6.9518



35.0039, 21.3309, 3.0324



14.5269, 14.4280, 15.7093



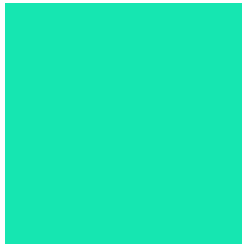
18.9581, 9.7175, 3.4086



1.4379, 0.7329, 0.4463

Previews

White Background



This preview shows how the XYZ color 36.5635, 59.9385, 51.2372 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 36.5635, 59.9385, 51.2372 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

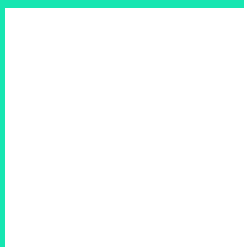
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5635, 59.9385, 51.2372

Background



This preview shows how black text looks on a background with the XYZ color 36.5635, 59.9385, 51.2372.

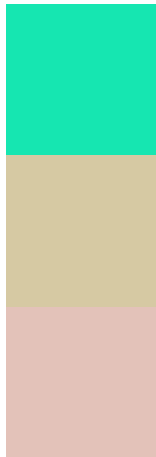


This preview shows how white text looks on a background with the XYZ color 36.5635, 59.9385,

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

36.5635, 59.9385, 51.2372

Protanopia

55.2291, 58.7138, 43.0723

Deuteranopia

59.7273, 58.4172, 54.0266



Tritanopia

44.6735, 59.9897, 91.6627

Trichromacy



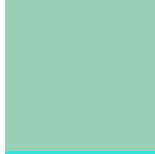
Original Color

36.5635, 59.9385, 51.2372



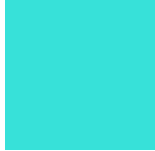
Protanomaly

42.1130, 55.8434, 45.6051



Deuteranomaly

43.7052, 54.6784, 52.5065



Tritanomaly

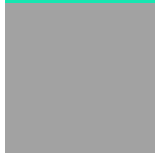
41.0251, 59.6724, 75.0013

Monochromacy



Original Color

36.5635, 59.9385, 51.2372



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.3009, 41.7102, 42.9604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5635, 59.9385, 51.2372 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(22, 230, 177)` looks like.

```
.text, #text, p{  
    color:rgb(22, 230, 177)  
}
```

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(22, 230, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 230, 177) }
```

Border

The CSS property to change the border of an element to XYZ 36.5635, 59.9385, 51.2372 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(22, 230, 177) }
```


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

```
.border{ border-color:rgb(22, 230, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 230, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 230, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 230, 177); box-shadow:4px 4px 4px 4px rgb(22, 230, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5635, 59.9385, 51.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 230, 177) }
```

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

```
.background{ background-color: rgb(22, 230,  
177) }
```

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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