

Converting Colors

XYZ(36.2863, 61.0699, 46.0432)

Have a look what the booklet for
XYZ(36.2863, 61.0699, 46.0432)
contains.

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Color

**XYZ(36.3311, 61.1904,
45.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	15E9A6
RGB	21, 233, 166
RGB Percent	8%, 91%, 65%
CMY	0.9176, 0.0863, 0.3490
CMYK	0.91, 0.00, 0.29, 0.09
HSL	161°, 83%, 50%
HSV	161°, 91%, 91%
XYZ	36.3311, 61.1904, 45.9725
YIQ	161.9740, -104.8450, -65.7810

Conversions

Conversions Part 2

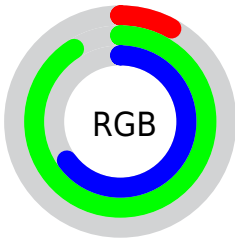
Format	Color
R_{YB}	21, 147, 233
Decimal	1436070
CIE _{Lab}	82.48, -61.62, 19.75
CIE _{LCh}	82, 64.707, 162.225
Yxy	61.1904, 0.2532, 0.4264
Android (android.graphics.Color)	4279626150 (0xFF15E9A6)
YUV	161.9740, 1.9848, -123.6342
Hunter-Lab	78.2243, -53.9886, 19.9122

Details

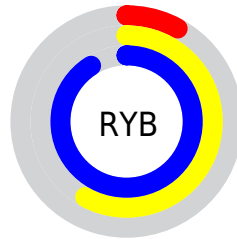
The XYZ color **36.3311, 61.1904, 45.9725** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.6362, 18.5661, 10.9420**, and the grayscale version is **34.3598, 36.1492, 39.3665**.

A 20% lighter version of the original color is **55.7506, 80.3179, 80.9711**, and **18.5626, 32.2656, 21.1691** is the 20% darker color. If you saturate the color by 10%, you get **35.4292, 60.7956, 42.8321**, and if you desaturate by 10%, it is **37.7707, 61.8538, 49.6697**.

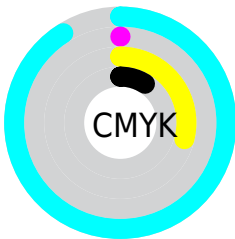
Distribution



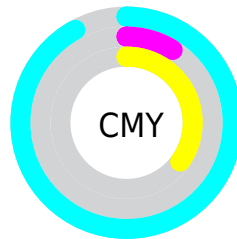
- Red (8%)
- Green (91%)
- Blue (65%)



- Red (8%)
- Yellow (58%)
- Blue (91%)



- Cyan (91%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (92%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3311, 61.1904, 45.9725 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 36.3311, 61.1904, 45.9725 by changing the saturation by 10% instead.


 36.3311, 61.1904,
45.9725


 36.3311, 61.1904,
45.9725


321.8115,
428.9718, 386.9724


 24.8613, 44.3788,
31.8756


 68.8633, 106.5546,
85.5117


 16.1019, 30.9685,
21.0025


 90.6565, 135.8760,
111.7911


 9.6876, 20.5748,
12.9346


 116.6215,
170.1361, 142.9684

 5.2530, 12.8136,
7.2533

 147.1237,
209.7194, 179.4621

 2.4327, 7.3003,
3.5402

 182.5284,
255.0102, 221.6909

 0.8615, 3.6506,
1.3766

223.2011,

 0.0000, 1.4801,

306.3930, 270.0731

0.1234

269.5070,
364.2520, 325.0275

■ 0.0000, 0.2747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3311, 61.1904,
45.9725

■ 36.3311, 61.1904,
45.9725

■ 35.4292, 60.7956,
42.8321

■ 37.7707, 61.8538,
49.6697

■ 39.8102, 62.8204,
53.5989

■ 42.5337, 64.1349,
57.7685

■ 46.0103, 65.8330,
62.1849

■ 50.3004, 67.9457,
66.8540

■ 55.4580, 70.5008,
71.7813

■ 61.5324, 73.5237,
76.9720

■ 68.5691, 77.0377,
82.4311

■ 76.6105, 81.0647,
88.1634

Harmonies

Analogous

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



42.0541, 61.1904, 24.6405



36.3311, 61.1904, 45.9725



35.8461, 61.1904, 84.0914

Triad

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



36.3311, 61.1904, 45.9725



63.9752, 61.1904, 172.2387



80.1618, 61.1904, 27.4268

Complementary

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



36.3311, 61.1904, 45.9725



35.6362, 18.5661, 10.9420

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.



88.2182, 61.1904, 51.7635



36.3311, 61.1904, 45.9725



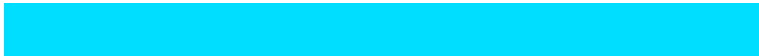
77.9274, 61.1904, 140.4471

Square

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



36.3311, 61.1904, 45.9725



50.4120, 61.1904, 168.6676



87.3411, 61.1904, 92.6901



66.6629, 61.1904, 17.2296

Rectangle

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



36.3311, 61.1904, 45.9725



38.4365, 61.1904, 116.0567



87.3411, 61.1904, 92.6901



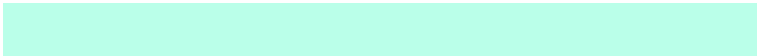
83.6857, 61.1904, 33.7032

Sweetspot

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



36.3327, 61.1928, 45.9739



70.7883, 87.8748, 90.5005



33.3139, 60.4160, 10.6159



14.6284, 18.5488, 18.9099



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.



36.3327, 61.1928, 45.9739



43.4394, 74.5918, 52.3591



34.3410, 44.6887, 83.9094



15.3033, 17.0361, 18.2800



20.1612, 34.5189, 24.6115



1.6264, 2.7279, 2.1603

Inverse Universe

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



35.6362, 18.5661, 10.9420



42.7101, 21.8480, 9.6715



35.3507, 20.5978, 2.8229



15.2616, 15.1325, 16.6629



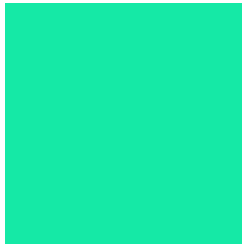
19.8119, 10.1274, 4.8108



1.5979, 0.8121, 0.5998

Previews

White Background



This preview shows how the XYZ color 36.3311, 61.1904, 45.9725 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 36.3311, 61.1904, 45.9725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

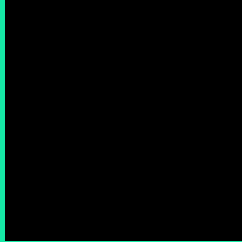
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

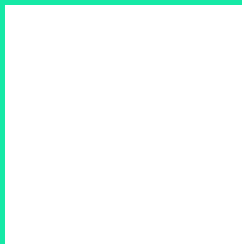
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3311, 61.1904, 45.9725

Background



This preview shows how black text looks on a background with the XYZ color 36.3311, 61.1904, 45.9725.



This preview shows how white text looks on a background with the XYZ color 36.3311, 61.1904,

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

36.3311, 61.1904, 45.9725

Protanopia

55.9369, 59.8843, 38.3164

Deuteranopia

60.9842, 59.8595, 48.3842



Tritanopia

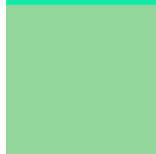
45.4893, 60.7885, 92.5549

Trichromacy



Original Color

36.3311, 61.1904, 45.9725



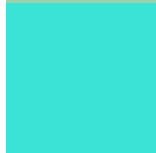
Protanomaly

41.9864, 56.6384, 40.6177



Deuteranomaly

43.8615, 55.6091, 46.9500



Tritanomaly

41.3516, 60.6928, 73.1537

Monochromacy



Original Color

36.3311, 61.1904, 45.9725



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.1496, 41.9903, 41.1135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3311, 61.1904, 45.9725 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, 233, 166)` looks like.

```
.text, #text, p{  
    color:rgb(21, 233, 166)  
}
```

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, 233, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 233, 166) }
```

Border

The CSS property to change the border of an element to XYZ 36.3311, 61.1904, 45.9725 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, 233, 166) }
```


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

```
.border{ border-color:rgb(21, 233, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 233, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 233, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 233, 166);  
box-shadow:4px 4px 4px 4px rgb(21, 233,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3311, 61.1904, 45.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 233, 166) }
```

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

```
.background{ background-color: rgb(21, 233,  
166) }
```

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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