

# Converting Colors

XYZ(36.0222, 61.9876, 41.1793)

Have a look what the booklet for  
XYZ(36.0222, 61.9876, 41.1793)  
contains.

<b>XYZ(36.0014, 61.9774, 41.0757)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(36.0014, 61.9774,  
41.0757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18EB9B
RGB	24, 235, 155
RGB Percent	9%, 92%, 61%
CMY	0.9058, 0.0784, 0.3921
CMYK	0.90, 0.00, 0.34, 0.08
HSL	157°, 84%, 51%
HSV	157°, 90%, 92%
XYZ	36.0014, 61.9774, 41.0757
YIQ	162.7910, -100.0760, -69.6120

# Conversions

## Conversions Part 2

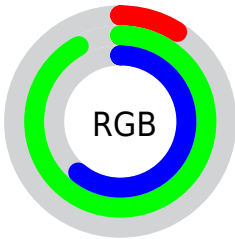
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 154, 235
Decimal	1633179
CIE <sub>Lab</sub>	82.90, -64.53, 26.01
CIE <sub>LCh</sub>	83, 69.575, 158.050
Y <sub>xy</sub>	61.9774, 0.2589, 0.4457
Android (android.graphics.Color)	4279823259 (0xFF18EB9B)
YUV	162.7910, -3.8410, -121.7197
Hunter-Lab	78.7257, -56.1417, 24.1730

# Details

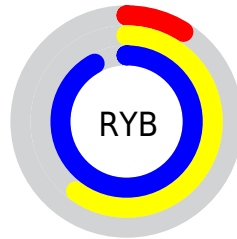
The XYZ color **36.0014, 61.9774, 41.0757** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **37.0885, 19.3164, 14.8741**, and the grayscale version is **34.7681, 36.5788, 39.8343**.

A 20% lighter version of the original color is **54.4631, 79.8180, 73.5087**, and **18.3686, 32.8201, 18.1987** is the 20% darker color. If you saturate the color by 10%, you get **34.9113, 61.5004, 37.2623**, and if you desaturate by 10%, it is **37.5985, 62.7127, 45.2039**.

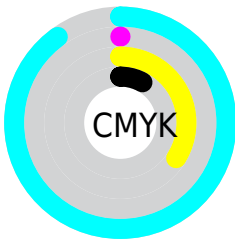
# Distribution



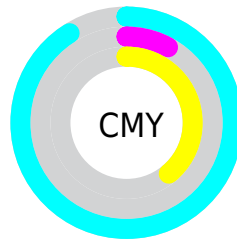
- Red (9%)
- Green (92%)
- Blue (61%)



- Red (9%)
- Yellow (60%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)



- Cyan (91%)
- Magenta (8%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0014, 61.9774, 41.0757 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 36.0014, 61.9774, 41.0757 by changing the saturation by 10% instead.





 36.0014, 61.9774,  
41.0757


 36.0014, 61.9774,  
41.0757


320.3978,  
431.8486, 366.3229


 24.6054, 45.0144,  
28.0581


 68.3581, 107.6929,  
78.0537


 15.9105, 31.4688,  
18.1300


 90.0495, 137.2142,  
102.8512


 9.5513, 20.9561,  
10.8730


 115.9034,  
171.6904, 132.4124

 5.1624, 13.0919,  
5.8684

 146.2851,  
211.5058, 167.1558

 2.3786, 7.4919,  
2.6977

 181.5601,  
257.0450, 207.5001

 0.8344, 3.7716,  
0.9423

222.0936,

 0.0000, 1.5466,

308.6923, 253.8636

0.0000

268.2511,  
366.8320, 306.6651

■ 0.0000, 0.3212,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.0014, 61.9774,  
41.0757

■ 36.0014, 61.9774,  
41.0757

■ 34.9113, 61.5004,  
37.2623


■ 37.5985, 62.7127,  
45.2039


■ 34.8898, 61.4910,  
37.1824


■ 39.8347, 63.7693,  
49.6549

■ 42.7945, 65.1922,  
54.4400


■ 46.5475, 67.0174,  
59.5679

 51.1551, 69.2762,  
65.0471

 56.6722, 71.9969,  
70.8855

 63.1491, 75.2052,  
77.0907

 70.6323, 78.9250,  
83.6698

 79.1651, 83.1786,  
90.6300

# Harmonies

## Analogous

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



42.8592, 61.9774, 21.0970



36.0014, 61.9774, 41.0757



34.7159, 61.9774, 79.7230

# Triad

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



36.0014, 61.9774, 41.0757



63.0394, 61.9774, 186.7628



84.6644, 61.9774, 28.3014

# Complementary

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



36.0014, 61.9774, 41.0757



37.0885, 19.3164, 14.8741

# 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.



92.3293, 61.9774, 56.5644



36.0014, 61.9774, 41.0757



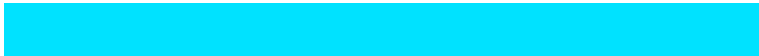
78.5325, 61.9774, 155.6685

# Square

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



36.0014, 61.9774, 41.0757



48.7707, 61.9774, 176.7480



89.9129, 61.9774, 103.3086



70.3601, 61.9774, 16.2050



# Rectangle

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



36.0014, 61.9774, 41.0757



36.9435, 61.9774, 114.2543



89.9129, 61.9774, 103.3086



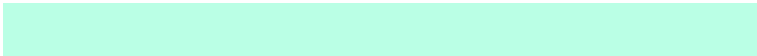
88.2045, 61.9774, 35.6163

# Sweetspot

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



36.0030, 61.9799, 41.0771



70.1742, 87.6291, 87.2668



35.6875, 62.4816, 11.0441



14.4829, 18.4906, 18.1437



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.



36.0030, 61.9799, 41.0771



41.9584, 73.9994, 44.5605



38.5155, 52.4779, 86.6995



15.2615, 17.0194, 18.0599



19.4811, 34.2469, 21.0302



1.5763, 2.7078, 1.8965



# Inverse Universe

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



37.0885, 19.3164, 14.8741



43.3832, 22.1173, 13.2157



35.5101, 19.8945, 2.8333



15.3018, 15.1486, 16.8744



20.1311, 10.2551, 6.4916



1.6263, 0.8235, 0.7494



# Previews

## White Background



This preview shows how the XYZ color 36.0014, 61.9774, 41.0757 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 36.0014, 61.9774, 41.0757 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

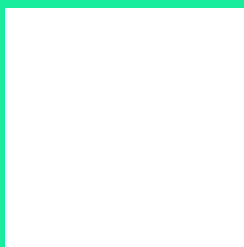
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 36.0014, 61.9774, 41.0757

## Background



This preview shows how black text looks on a background with the XYZ color 36.0014, 61.9774, 41.0757.



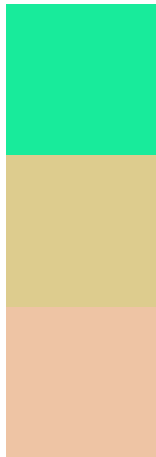
This preview shows how white text looks on a background with the XYZ color 36.0014, 61.9774,



# 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

36.0014, 61.9774, 41.0757

### Protanopia

56.2941, 60.5109, 34.3039

### Deuteranopia

61.7007, 60.3373, 43.5163



## Tritanopia

46.3388, 61.6069, 93.4534

# Trichromacy



## Original Color

36.0014, 61.9774, 41.0757



## Protanomaly

41.9613, 57.0970, 36.4130



## Deuteranomaly

43.9768, 56.1400, 42.2365



## Tritanomaly

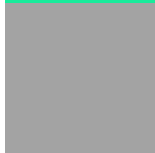
41.3629, 61.1641, 70.5986

# Monochromacy



## Original Color

36.0014, 61.9774, 41.0757



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

31.2249, 42.3780, 39.7918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0014, 61.9774, 41.0757 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(24, 235, 155)` looks like.

```
.text, #text, p{  
    color:rgb(24, 235, 155)  
}
```

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(24, 235, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 235, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0014, 61.9774, 41.0757 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(24, 235, 155) }
```



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

```
.border{ border-color:rgb(24, 235, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 235, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 235, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 235, 155);  
box-shadow:4px 4px 4px 4px rgb(24, 235,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0014, 61.9774, 41.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 235, 155) }
```

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

```
.background{ background-color: rgb(24, 235,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor