

Converting Colors

XYZ(34.5684, 62.3653, 31.8208)

Have a look what the booklet for
XYZ(34.5684, 62.3653, 31.8208)
contains.

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Color

**XYZ(34.5061, 62.2716,
31.6737)**

Conversions

Conversions Part 1

Format	Color
Hex	0AED83
RGB	10, 237, 131
RGB Percent	4%, 93%, 51%
CMY	0.9607, 0.0706, 0.4863
CMYK	0.96, 0.00, 0.45, 0.07
HSL	152°, 92%, 48%
HSV	152°, 96%, 93%
XYZ	34.5061, 62.2716, 31.6737
YIQ	157.0430, -101.2660, -81.0900

Conversions

Conversions Part 2

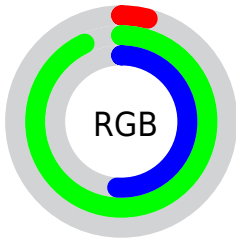
Format	Color
RYB	10, 158, 237
Decimal	716163
CIELab	83.06, -70.28, 38.27
CIELCh	83, 80.028, 151.431
Yxy	62.2716, 0.2686, 0.4848
Android (android.graphics.Color)	4278906243 (0xFF0AED83)
YUV	157.0430, -12.8392, -128.9567
Hunter-Lab	78.9124, -60.0437, 31.4409

Details

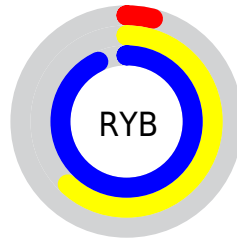
The XYZ color **34.5061, 62.2716, 31.6737** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **38.1886, 19.4841, 18.2767**, and the grayscale version is **32.1590, 33.8338, 36.8450**.

A 20% lighter version of the original color is **51.1990, 78.4675, 58.3462**, and **17.5681, 32.8194, 12.9983** is the 20% darker color. If you saturate the color by 10%, you get **34.0722, 62.0855, 30.0366**, and if you desaturate by 10%, it is **35.8236, 62.8611, 35.8644**.

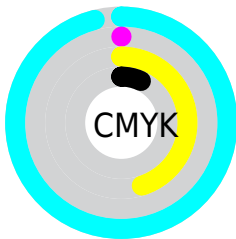
Distribution



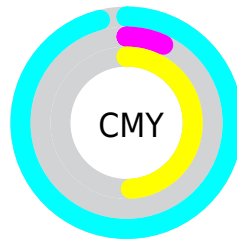
- Red (4%)
- Green (93%)
- Blue (51%)



- Red (4%)
- Yellow (62%)
- Blue (93%)



- Cyan (96%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)





- Cyan (96%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5061, 62.2716, 31.6737 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 34.5061, 62.2716, 31.6737 by changing the saturation by 10% instead.


 34.5061, 62.2716,
31.6737


 34.5061, 62.2716,
31.6737


313.9292,
432.9211, 324.0770


 23.4474, 45.2522,
20.8496


 66.0590, 108.1180,
63.3912


 15.0467, 31.6561,
12.8240


 87.2839, 137.7137,
85.1216


 8.9387, 21.0990,
7.1781


 112.6283,
172.2704, 111.3247

 4.7580, 13.1964,
3.4936

 142.4574,
212.1724, 142.4188

 2.1393, 7.5639,
1.3519

 177.1368,
257.8040, 178.8225

 0.7104, 3.8172,
0.1037

217.0316,

 0.0000, 1.5718,

309.5498, 220.9544

0.0000

262.5073,
367.7940, 269.2331

■ 0.0000, 0.3385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5061, 62.2716,
31.6737

■ 34.5061, 62.2716,
31.6737


■ 34.0722, 62.0855,
30.0366


■ 35.8236, 62.8611,
35.8644


■ 37.7579, 63.7574,
40.5135


■ 40.4084, 65.0131,
45.6389


■ 43.8547, 66.6690,
51.2560

 48.1652, 68.7600,
57.3790

 53.4006, 71.3174,
64.0214

 59.6159, 74.3692,
71.1961

 66.8618, 77.9412,
78.9157

 75.1852, 82.0575,
87.1919

Harmonies

Analogous

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



43.4733, 62.2716, 14.6585



34.5061, 62.2716, 31.6737



31.7616, 62.2716, 70.2116

Triad

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



34.5061, 62.2716, 31.6737



60.0224, 62.2716, 214.6900



92.3683, 62.2716, 29.2557

Complementary

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



34.5061, 62.2716, 31.6737



38.1886, 19.4841, 18.2767

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.



99.0809, 62.2716, 65.4505



34.5061, 62.2716, 31.6737



78.2938, 62.2716, 185.9813

Square

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



34.5061, 62.2716, 31.6737



44.6559, 62.2716, 190.6849



93.4911, 62.2716, 124.3600



76.5718, 62.2716, 13.8176

Rectangle

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



34.5061, 62.2716, 31.6737



33.2984, 62.2716, 108.9318



93.4911, 62.2716, 124.3600



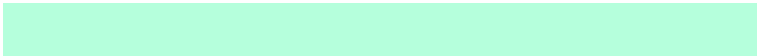
95.8863, 62.2716, 38.5996

Sweetspot

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



34.5077, 62.2741, 31.6751



67.8079, 86.5418, 81.1645



38.0482, 64.5663, 10.7449



13.8464, 18.1959, 16.5988



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.



34.5077, 62.2741, 31.6751



40.1980, 73.2952, 35.2903



44.6135, 64.5823, 90.2381



15.2039, 16.9964, 17.7567



18.6685, 33.9219, 16.7513



1.5145, 2.6831, 1.5710

Inverse Universe

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



38.1886, 19.4841, 18.2767



44.5748, 22.5939, 19.4907



35.1356, 18.3359, 1.9750



15.3582, 15.1711, 17.1716



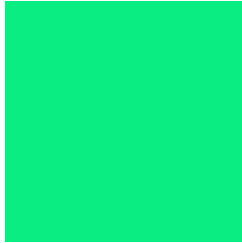
20.6896, 10.4785, 9.4328



1.6728, 0.8421, 0.9945

Previews

White Background



This preview shows how the XYZ color 34.5061, 62.2716, 31.6737 looks on a white background.

Color Contrast Check

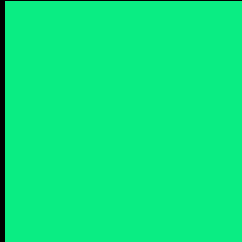
Large Text (above 18pt) WCAG AA × Fail

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 34.5061, 62.2716, 31.6737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

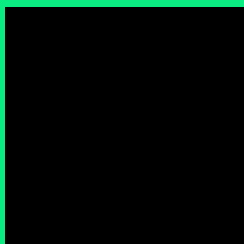
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5061, 62.2716, 31.6737

Background



This preview shows how black text looks on a background with the XYZ color 34.5061, 62.2716, 31.6737.

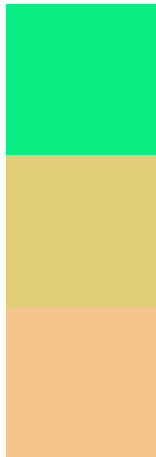


This preview shows how white text looks on a background with the XYZ color 34.5061, 62.2716,

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

34.5061, 62.2716, 31.6737

Protanopia

56.2124, 61.0021, 26.2646

Deuteranopia

62.2038, 60.8154, 33.6594



Tritanopia

46.8025, 61.8460, 93.4751

Trichromacy



Original Color

34.5061, 62.2716, 31.6737



Protanomaly

40.4206, 57.2588, 27.6606



Deuteranomaly

42.3068, 55.8683, 32.2208



Tritanomaly

40.5435, 61.2635, 65.5653

Monochromacy



Original Color

34.5061, 62.2716, 31.6737



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.6131, 40.1990, 34.2681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5061, 62.2716, 31.6737 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(10, 237, 131)` looks like.

```
.text, #text, p{  
    color:rgb(10, 237, 131)  
}
```

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(10, 237, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 237, 131) }
```

Border

The CSS property to change the border of an element to XYZ 34.5061, 62.2716, 31.6737 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(10, 237, 131) }
```


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

```
.border{ border-color:rgb(10, 237, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 237, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 237, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 237, 131);  
box-shadow:4px 4px 4px 4px rgb(10, 237,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5061, 62.2716, 31.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 237, 131) }
```

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

```
.background{ background-color: rgb(10, 237,  
131) }
```

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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