

Converting Colors

XYZ(36.1205, 60.6413, 47.8005)

Have a look what the booklet for
XYZ(36.1205, 60.6413, 47.8005)
contains.

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Color

**XYZ(36.1123, 60.6155,
47.8269)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8AA
RGB	0, 232, 170
RGB Percent	0%, 91%, 67%
CMY	0.9999, 0.0902, 0.3333
CMYK	1.00, 0.00, 0.27, 0.09
HSL	164°, 100%, 45%
HSV	164°, 100%, 91%
XYZ	36.1123, 60.6155, 47.8269
YIQ	155.5640, -118.3700, -68.4660

Conversions

Conversions Part 2

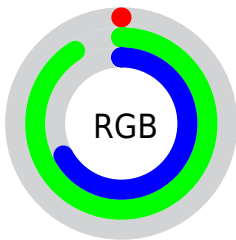
Format	Color
RYB	0, 134, 232
Decimal	59562
CIELab	82.17, -61.01, 17.23
CIELCh	82, 63.400, 164.231
Yxy	60.6155, 0.2498, 0.4193
Android (android.graphics.Color)	4278249642 (0xFF00E8AA)
YUV	155.5640, 7.1169, -136.4296
Hunter-Lab	77.8560, -53.4534, 18.0773

Details

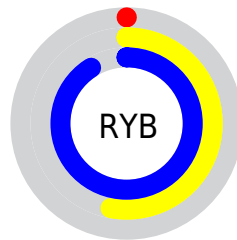
The XYZ color **36.1123, 60.6155, 47.8269** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.1506, 17.5052, 6.1407**, and the grayscale version is **31.4175, 33.0536, 35.9954**.

A 20% lighter version of the original color is **55.7810, 80.2712, 83.7881**, and **18.6000, 31.9680, 22.3297** is the 20% darker color. If you saturate the color by 10%, you get **36.1128, 60.6174, 47.8244**, and if you desaturate by 10%, it is **37.0729, 61.0428, 51.0083**.

Distribution



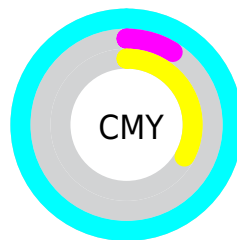
- Red (0%)
- Green (91%)
- Blue (67%)



- Red (0%)
- Yellow (53%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1123, 60.6155, 47.8269 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 36.1123, 60.6155, 47.8269 by changing the saturation by 10% instead.


 36.1123, 60.6155,
47.8269


 36.1123, 60.6155,
47.8269


320.8738,
426.8628, 394.5945


 24.6915, 43.9149,
33.3308


 68.5281, 105.7220,
88.3095


 15.9748, 30.6036,
22.1068

 90.2538, 134.8968,
115.1331


 9.5971, 20.2972,
13.7363


 116.1451,
168.9983, 146.9029

 5.1928, 12.6113,
7.8009

 146.5674,
208.4112, 184.0375

 2.3968, 7.1614,
3.8818

 181.8861,
253.5196, 226.9554

 0.8435, 3.5633,
1.5608

222.4665,

 0.0000, 1.4324,

304.7081, 276.0752

0.2626

268.6739,
362.3610, 331.8154

■ 0.0000, 0.2404,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1123, 60.6155,
47.8269

■ 36.1123, 60.6155,
47.8269

■ 36.1128, 60.6174,
47.8244

■ 37.0729, 61.0428,
51.0083

■ 38.4892, 61.7003,
54.3560

■ 40.4993, 62.6607,
57.8798

■ 43.1831, 63.9650,
61.5853

■ 46.6076, 65.6478,
65.4774

■ 50.8317, 67.7394,
69.5606

■ 55.9080, 70.2669,
73.8393

■ 61.8847, 73.2550,
78.3174

■ 68.8062, 76.7268,
82.9986

Harmonies

Analogous

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



41.3714, 60.6155, 25.8451



36.1123, 60.6155, 47.8269



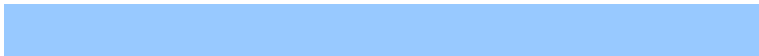
35.9807, 60.6155, 85.9623

Triad

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



36.1123, 60.6155, 47.8269



64.2167, 60.6155, 167.1490



78.2321, 60.6155, 26.6060

Complementary

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



36.1123, 60.6155, 47.8269



34.1506, 17.5052, 6.1407

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.



86.5368, 60.6155, 49.3953



36.1123, 60.6155, 47.8269



77.6309, 60.6155, 134.6805

Square

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



36.1123, 60.6155, 47.8269



50.8583, 60.6155, 166.1935



86.3010, 60.6155, 88.2764



64.9412, 60.6155, 17.2631

Rectangle

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



36.1123, 60.6155, 47.8269



38.7455, 60.6155, 117.1281



86.3010, 60.6155, 88.2764



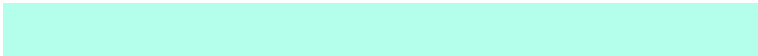
81.7854, 60.6155, 32.4533

Sweetspot

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



36.1139, 60.6179, 47.8283



69.1660, 87.0166, 91.4098



31.0881, 58.8652, 9.7244



14.2070, 18.3273, 19.0785



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.



36.1139, 60.6179, 47.8283



44.7130, 75.1012, 59.0657



31.2416, 39.1771, 82.2620



14.6344, 16.2672, 17.6054



20.1026, 33.6732, 26.8386



1.5236, 2.5036, 2.1837

Inverse Universe

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



34.1506, 17.5052, 6.1407



42.2881, 21.6793, 7.4495



34.4331, 19.4626, 1.9427



14.5344, 14.4309, 15.7485



19.0026, 9.7352, 3.6425



1.4420, 0.7345, 0.4682

Previews

White Background



This preview shows how the XYZ color 36.1123, 60.6155, 47.8269 looks on a white background.

Color Contrast Check

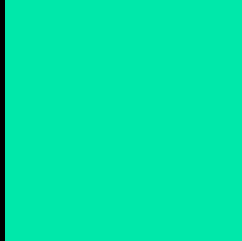
Large Text (above 18pt) WCAG AA × Fail

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 36.1123, 60.6155, 47.8269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

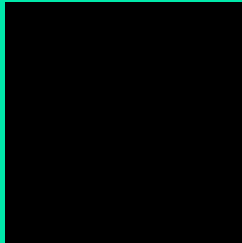
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1123, 60.6155, 47.8269

Background



This preview shows how black text looks on a background with the XYZ color 36.1123, 60.6155, 47.8269.

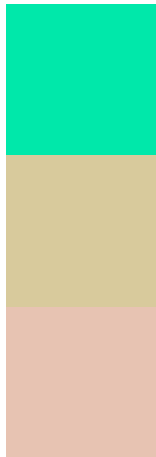


This preview shows how white text looks on a background with the XYZ color 36.1123, 60.6155,

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

36.1123, 60.6155, 47.8269

Protanopia

55.4402, 59.2403, 39.9650

Deuteranopia

60.5060, 59.2335, 50.3637



Tritanopia

45.2454, 60.6627, 92.5435

Trichromacy



Original Color

36.1123, 60.6155, 47.8269



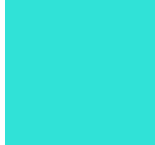
Protanomaly

40.5438, 55.4801, 42.2901



Deuteranomaly

42.3264, 54.4099, 48.8288



Tritanomaly

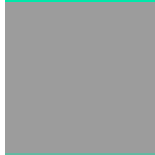
40.6810, 59.9274, 73.7130

Monochromacy



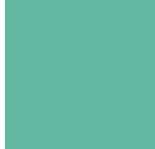
Original Color

36.1123, 60.6155, 47.8269



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.7191, 39.5068, 39.8301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1123, 60.6155, 47.8269 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(0, 232, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 170)  
}
```

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(0, 232, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 170) }
```

Border

The CSS property to change the border of an element to XYZ 36.1123, 60.6155, 47.8269 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(0, 232, 170) }
```


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

```
.border{ border-color:rgb(0, 232, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1123, 60.6155, 47.8269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 170) }
```

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

```
.background{ background-color: rgb(0, 232,  
170) }
```

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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