

Converting Colors

XYZ(36.4085, 61.5121, 45.2288)

Have a look what the booklet for
XYZ(36.4085, 61.5121, 45.2288)
contains.

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Color

**XYZ(36.4770, 61.7081,
45.1103)**

Conversions

Conversions Part 1

Format	Color
Hex	17EAA4
RGB	23, 234, 164
RGB Percent	9%, 92%, 64%
CMY	0.9097, 0.0823, 0.3569
CMYK	0.90, 0.00, 0.30, 0.08
HSL	160°, 83%, 50%
HSV	160°, 90%, 92%
XYZ	36.4770, 61.7081, 45.1103
YIQ	162.9310, -103.2860, -66.5020

Conversions

Conversions Part 2

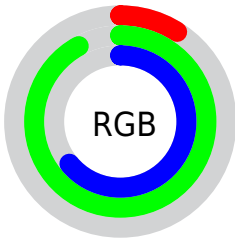
Format	Color
R _Y B	23, 149, 234
Decimal	1567396
CIE Lab	82.76, -62.33, 21.18
CIE LCh	83, 65.826, 161.235
Yxy	61.7081, 0.2546, 0.4306
Android (android.graphics.Color)	4279757476 (0xFF17EAA4)
YUV	162.9310, 0.5270, -122.7195
Hunter-Lab	78.5545, -54.5834, 20.9406

Details

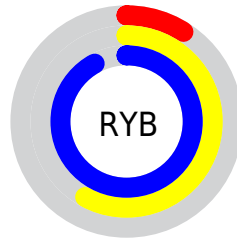
The XYZ color **36.4770, 61.7081, 45.1103** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.2162, 18.8971, 12.0986**, and the grayscale version is **34.8157, 36.6288, 39.8888**.

A 20% lighter version of the original color is **55.4856, 80.2119, 79.5759**, and **18.6468, 32.6141, 20.6416** is the 20% darker color. If you saturate the color by 10%, you get **35.4557, 61.2605, 41.5711**, and if you desaturate by 10%, it is **37.9934, 62.4079, 48.9555**.

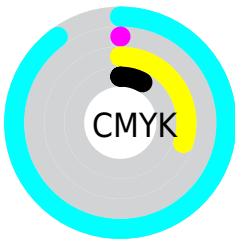
Distribution



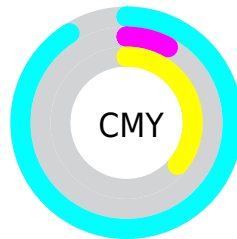
- Red (9%)
- Green (92%)
- Blue (64%)



- Red (9%)
- Yellow (58%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)



- Cyan (91%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4770, 61.7081, 45.1103 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 36.4770, 61.7081, 45.1103 by changing the saturation by 10% instead.

36.4770, 61.7081,
45.1103

36.4770, 61.7081,
45.1103

322.4356,
430.8655, 383.3932

24.9746, 44.7969,
31.2007

69.0867, 107.3035,
84.2061

16.1868, 31.2975,
20.4920

90.9248, 136.7566,
110.2294

9.7481, 20.8255,
12.5656

116.9388,
171.1590, 141.1277

5.2932, 12.9965,
7.0029

147.4942,
210.8951, 177.3196

2.4568, 7.4261,
3.3854

182.9562,
256.3495, 219.2235

0.8735, 3.7300,
1.2947

223.6902,

0.0000, 1.5237,

307.9064, 267.2581

0.0574

270.0615,
365.9503, 321.8418

■ 0.0000, 0.3053,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4770, 61.7081,
45.1103

■ 36.4770, 61.7081,
45.1103


■ 35.4557, 61.2605,
41.5711


■ 37.9934, 62.4079,
48.9555


■ 40.1268, 63.4192,
53.0555


■ 42.9612, 64.7867,
57.4194


■ 46.5655, 66.5459,
62.0541

 51.0002, 68.7280,
66.9660

 56.3197, 71.3608,
72.1611

 62.5735, 74.4699,
77.6452

 69.8074, 78.0787,
83.4238

 78.0641, 82.2092,
89.5021

Harmonies

Analogous

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



42.4829, 61.7081, 23.9747



36.4770, 61.7081, 45.1103



35.8073, 61.7081, 83.5439

Triad

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



36.4770, 61.7081, 45.1103



64.1141, 61.7081, 176.2652



81.5849, 61.7081, 27.8027

Complementary

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



36.4770, 61.7081, 45.1103



36.2162, 18.8971, 12.0986

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.



89.5917, 61.7081, 53.1224



36.4770, 61.7081, 45.1103



78.4765, 61.7081, 144.4772

Square

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



36.4770, 61.7081, 45.1103



50.3270, 61.7081, 171.2746



88.3705, 61.7081, 95.5039



67.8472, 61.7081, 17.1193

Rectangle

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



36.4770, 61.7081, 45.1103



38.3272, 61.7081, 116.2386



88.3705, 61.7081, 95.5039



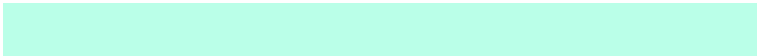
85.1284, 61.7081, 34.3412

Sweetspot

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



36.4786, 61.7105, 45.1117



70.6340, 87.8130, 89.6877



34.1279, 61.2549, 10.8361



14.5918, 18.5341, 18.7170



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.



36.4786, 61.7105, 45.1117



43.0533, 74.4373, 50.3258



35.5919, 46.8959, 85.0207



15.2929, 17.0320, 18.2250



19.9841, 34.4481, 23.6791



1.6135, 2.7227, 2.0923

Inverse Universe

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



36.2162, 18.8971, 12.0986



42.8640, 21.9096, 10.4818



35.6099, 20.5993, 2.9106



15.2716, 15.1365, 16.7154



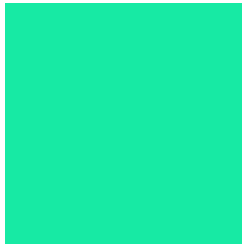
19.8852, 10.1568, 5.1969



1.6046, 0.8148, 0.6350

Previews

White Background



This preview shows how the XYZ color 36.4770, 61.7081, 45.1103 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 36.4770, 61.7081, 45.1103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

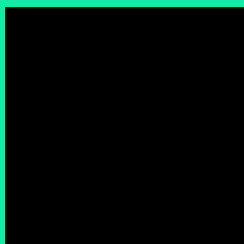
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

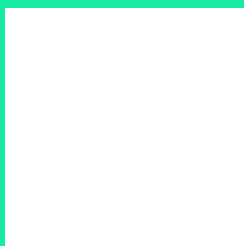
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4770, 61.7081, 45.1103

Background



This preview shows how black text looks on a background with the XYZ color 36.4770, 61.7081, 45.1103.

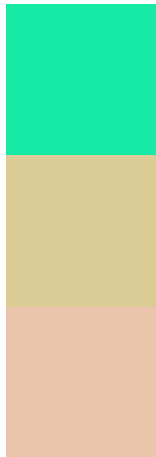


This preview shows how white text looks on a background with the XYZ color 36.4770, 61.7081,

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

36.4770, 61.7081, 45.1103

Protanopia

56.3113, 60.4478, 37.5538

Deuteranopia

61.4473, 60.1206, 47.3955



Tritanopia

46.0760, 61.4714, 93.4411

Trichromacy



Original Color

36.4770, 61.7081, 45.1103



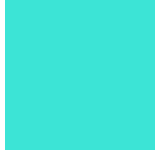
Protanomaly

42.4296, 57.2633, 39.8270



Deuteranomaly

44.3086, 56.2269, 46.0537



Tritanomaly

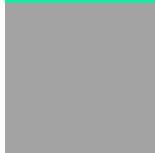
41.7445, 61.3025, 73.2507

Monochromacy



Original Color

36.4770, 61.7081, 45.1103



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.4905, 42.4843, 41.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4770, 61.7081, 45.1103 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(23, 234, 164)` looks like.

```
.text, #text, p{  
    color:rgb(23, 234, 164)  
}
```

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(23, 234, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 234, 164) }
```

Border

The CSS property to change the border of an element to XYZ 36.4770, 61.7081, 45.1103 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(23, 234, 164) }
```


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

```
.border{ border-color:rgb(23, 234, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 234, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 234, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 234, 164);  
box-shadow:4px 4px 4px 4px rgb(23, 234,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4770, 61.7081, 45.1103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 234, 164) }
```

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

```
.background{ background-color: rgb(23, 234,  
164) }
```

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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