

Converting Colors

XYZ(36.2572, 60.7264, 46.7112)

Have a look what the booklet for
XYZ(36.2572, 60.7264, 46.7112)
contains.

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Color

**XYZ(36.2778, 60.7225,
46.8544)**

Conversions

Conversions Part 1

Format	Color
Hex	17E8A8
RGB	23, 232, 168
RGB Percent	9%, 91%, 66%
CMY	0.9097, 0.0902, 0.3412
CMYK	0.90, 0.00, 0.28, 0.09
HSL	162°, 82%, 50%
HSV	162°, 90%, 91%
XYZ	36.2778, 60.7225, 46.8544
YIQ	162.2130, -104.0200, -64.2120

Conversions

Conversions Part 2

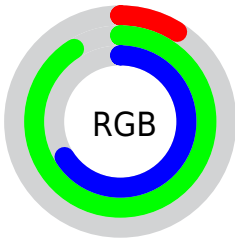
Format	Color
R_{YB}	23, 146, 232
Decimal	1566888
CIE Lab	82.23, -60.71, 18.37
CIE LCh	82, 63.428, 163.168
Yxy	60.7225, 0.2522, 0.4221
Android (android.graphics.Color)	4279756968 (0xFF17E8A8)
YUV	162.2130, 2.8530, -122.0898
Hunter-Lab	77.9246, -53.2675, 18.8975

Details

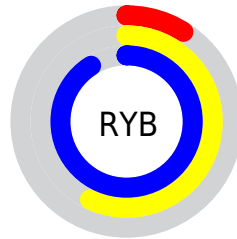
The XYZ color **36.2778, 60.7225, 46.8544** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.3076, 18.4582, 10.7221**, and the grayscale version is **34.4672, 36.2622, 39.4896**.

A 20% lighter version of the original color is **56.0187, 80.4251, 82.3831**, and **18.4824, 31.9209, 21.7102** is the 20% darker color. If you saturate the color by 10%, you get **35.2866, 60.2869, 43.4738**, and if you desaturate by 10%, it is **37.7425, 61.4005, 50.4749**.

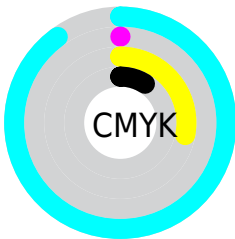
Distribution



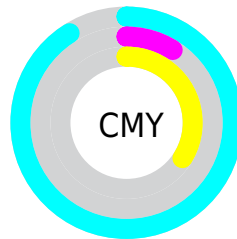
- Red (9%)
- Green (91%)
- Blue (66%)



- Red (9%)
- Yellow (57%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2778, 60.7225, 46.8544 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 36.2778, 60.7225, 46.8544 by changing the saturation by 10% instead.


 36.2778, 60.7225,
46.8544


 36.2778, 60.7225,
46.8544


321.5832,
427.2558, 390.6100


 24.8199, 44.0013,
32.5670


 68.7817, 105.8770,
86.8440


 16.0710, 30.6715,
21.5266


 90.5584, 135.0791,
113.3832


 9.6655, 20.3488,
13.3145


 116.5055,
169.2103, 144.8436

 5.2383, 12.6489,
7.5122

 146.9882,
208.6549, 181.6435

 2.4240, 7.1872,
3.7012

 182.3720,
253.7973, 224.2016

 0.8571, 3.5794,
1.4629

223.0222,

 0.0000, 1.4412,

305.0220, 272.9363

0.1900

269.3042,
362.7134, 328.2663

■ 0.0000, 0.2468,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2778, 60.7225,
46.8544

■ 36.2778, 60.7225,
46.8544


■ 35.2866, 60.2869,
43.4738


■ 37.7425, 61.4005,
50.4749

■ 39.8069, 62.3819,
54.3139


■ 42.5528, 63.7104,
58.3793


■ 46.0476, 65.4205,
62.6772

 50.3502, 67.5427,
67.2130

 55.5138, 70.1041,
71.9919

 61.5865, 73.1297,
77.0188

 68.6130, 76.6425,
82.2983

 76.6351, 80.6638,
87.8348

Harmonies

Analogous

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



41.7262, 60.7225, 25.3886



36.2778, 60.7225, 46.8544



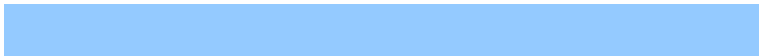
35.9637, 60.7225, 84.5237

Triad

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



36.2778, 60.7225, 46.8544



63.8277, 60.7225, 168.0313



78.7752, 60.7225, 27.2047

Complementary

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



36.2778, 60.7225, 46.8544



35.3076, 18.4582, 10.7221

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.



86.8342, 60.7225, 50.5967



36.2778, 60.7225, 46.8544



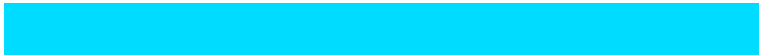
77.3410, 60.7225, 136.4431

Square

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



36.2778, 60.7225, 46.8544



50.5252, 60.7225, 165.7522



86.2718, 60.7225, 90.0441



65.5563, 60.7225, 17.4567

Rectangle

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



36.2778, 60.7225, 46.8544



38.6117, 60.7225, 115.6530



86.2718, 60.7225, 90.0441



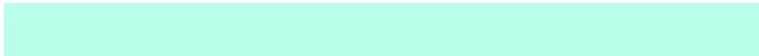
82.2634, 60.7225, 33.2341

Sweetspot

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



36.2794, 60.7249, 46.8558



70.8853, 87.9135, 91.0110



33.1510, 59.9107, 10.6281



14.6515, 18.5580, 19.0311



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.



36.2794, 60.7249, 46.8558



43.6866, 74.6907, 53.6612



34.1423, 44.4540, 83.1277



14.6096, 16.2573, 17.4751



19.6478, 33.4912, 24.4432



1.4929, 2.4913, 2.0222

Inverse Universe

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



35.3076, 18.4582, 10.7221



42.6184, 21.8114, 9.1888



35.1211, 20.5911, 2.9348



14.5578, 14.4403, 15.8718



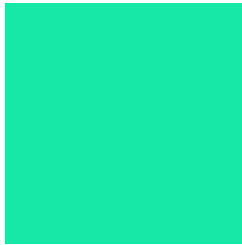
19.1566, 9.7969, 4.4537



1.4559, 0.7401, 0.5415

Previews

White Background



This preview shows how the XYZ color 36.2778, 60.7225, 46.8544 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 36.2778, 60.7225, 46.8544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

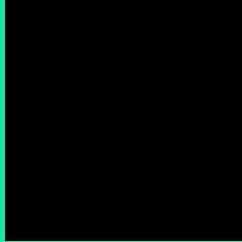
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

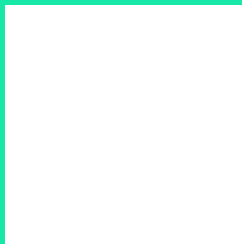
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2778, 60.7225, 46.8544

Background



This preview shows how black text looks on a background with the XYZ color 36.2778, 60.7225, 46.8544.

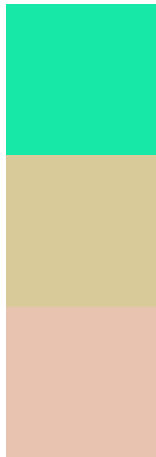


This preview shows how white text looks on a background with the XYZ color 36.2778, 60.7225,

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

36.2778, 60.7225, 46.8544

Protanopia

55.5685, 59.3259, 39.0941

Deuteranopia

60.6303, 59.3206, 49.3288



Tritanopia

45.4893, 60.7885, 92.5549

Trichromacy



Original Color

36.2778, 60.7225, 46.8544



Protanomaly

41.9063, 56.2027, 41.4404



Deuteranomaly

43.8090, 55.1968, 47.8802



Tritanomaly

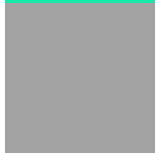
41.1376, 60.1776, 73.0656

Monochromacy



Original Color

36.2778, 60.7225, 46.8544



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.0267, 41.6005, 41.5164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2778, 60.7225, 46.8544 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, 232, 168)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 168)  
}
```

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, 232, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.2778, 60.7225, 46.8544 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, 232, 168) }
```


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

```
.border{ border-color:rgb(23, 232, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 168);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2778, 60.7225, 46.8544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 168) }
```

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

```
.background{ background-color: rgb(23, 232,  
168) }
```

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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