

Converting Colors

XYZ(29.1126, 40.8495, 30.7764)

Have a look what the booklet for
XYZ(29.1126, 40.8495, 30.7764)
contains.

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Color

**XYZ(29.1126, 40.8495,
30.7764)**

Conversions

Conversions Part 1	
Format	Color
Hex	70BB8B
RGB	112, 187, 139
RGB Percent	44%, 73%, 55%
CMY	0.5608, 0.2667, 0.4549
CMYK	0.40, 0.00, 0.26, 0.27
HSL	142°, 36%, 59%
HSV	142°, 40%, 73%
XYZ	29.1126, 40.8495, 30.7764
YIQ	159.1030, -29.2920, -30.8280

Conversions

Conversions Part 2

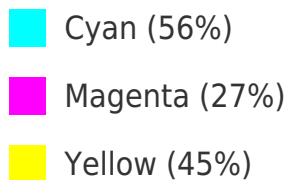
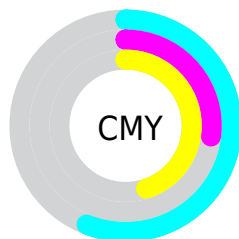
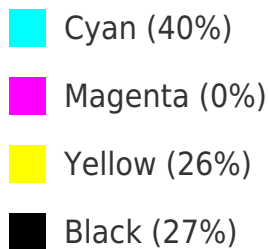
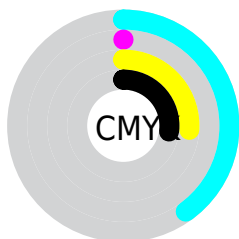
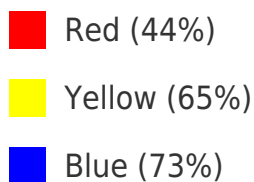
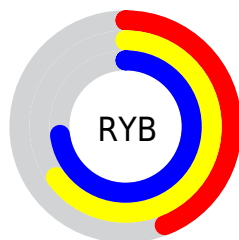
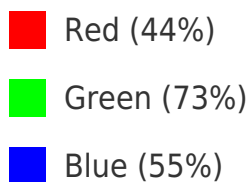
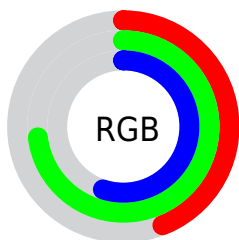
Format	Color
RYB	112, 167, 187
Decimal	7388043
CIELab	70.07, -33.95, 17.14
CIELCh	70, 38.033, 153.210
Yxy	40.8495, 0.2890, 0.4055
Android (android.graphics.Color)	4285578123 (0xFF70BB8B)
YUV	159.1030, -9.9108, -41.3093
Hunter-Lab	63.9136, -30.5422, 16.1895

Details

The XYZ color **29.1126, 40.8495, 30.7764** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.6342, 24.6921, 36.3053**, and the grayscale version is **33.0561, 34.7776, 37.8728**.

A 20% lighter version of the original color is **57.9127, 76.7671, 62.2173**, and **11.9943, 18.4261, 12.3756** is the 20% darker color. If you saturate the color by 10%, you get **26.1488, 39.4183, 26.3203**, and if you desaturate by 10%, it is **32.6685, 42.5771, 35.7618**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1126, 40.8495, 30.7764 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 29.1126, 40.8495, 30.7764 by changing the saturation by 10% instead.

 29.1126, 40.8495,
30.7764


 29.1126, 40.8495,
30.7764


289.7305,
349.6912, 319.8261


 19.3107, 28.2015,
20.1716


 57.6523, 76.4554,
61.9633

 12.0004, 18.4776,
12.3345


 77.1208, 100.1821,
83.3825

 6.8161, 11.2934,
6.8466


 100.5422,
128.3704, 109.2436

 3.3927, 6.2646,
3.2894

128.2819,
161.4048, 139.9651

 1.3647, 3.0066,
1.2442

160.7052,
199.6697, 175.9655

 0.2308, 1.1352,
0.0154


198.1775,


 0.0000, 0.0078,


243.5495, 217.6635


0.0000

241.0641,
293.4285, 265.4775


 0.0000, 0.0000,
0.0000

 29.1126, 40.8495,
30.7764


 29.1126, 40.8495,
30.7764


 26.1488, 39.4183,
26.3203


 32.6685, 42.5771,
35.7618


 23.7399, 38.2613,
22.3732


 36.8444, 44.6118,
41.2904


 21.8495, 37.3613,
18.9172


 41.6701, 46.9698,
47.3793


 20.4351, 36.6968,
15.9327


 47.1727, 49.6647,
54.0436


 19.4471, 36.2425,
13.3982


 53.3776, 52.7093,
61.2982

 18.7939, 35.9513,
11.3094

 60.3090, 56.1158,
69.1572

 67.9898, 59.8957,
77.6344

 73.9702, 62.7859,
86.6272

 75.7560, 63.5002,
96.0309

Harmonies

Analogous

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



32.6463, 40.8495, 21.5626



29.1126, 40.8495, 30.7764



28.0826, 40.8495, 46.4209

Triad

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



29.1126, 40.8495, 30.7764



39.4988, 40.8495, 88.1051



49.6983, 40.8495, 28.2537

Complementary

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



29.1126, 40.8495, 30.7764



32.6342, 24.6921, 36.3053

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.



52.0104, 40.8495, 42.5904



29.1126, 40.8495, 30.7764



45.7406, 40.8495, 79.6645

Square

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



29.1126, 40.8495, 30.7764



33.6890, 40.8495, 82.5225



50.4908, 40.8495, 61.7410



44.4608, 40.8495, 20.4022

Rectangle

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



29.1126, 40.8495, 30.7764



28.8532, 40.8495, 59.3630



50.4908, 40.8495, 61.7410



50.8673, 40.8495, 32.3159

Sweetspot

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



29.1137, 40.8512, 30.7773



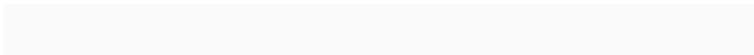
72.7258, 83.1888, 82.4928



35.3440, 44.2635, 22.0105



15.7587, 18.1940, 17.8454



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1137, 40.8512, 30.7773



47.4784, 70.9073, 48.1469



32.2655, 42.1119, 47.3743



9.5469, 10.7049, 10.8634



12.9803, 24.7824, 7.9591



0.5401, 0.9834, 0.4784

Inverse Universe

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



32.6342, 24.6921, 36.3053



54.6318, 38.0239, 59.3428



29.8797, 23.5903, 21.8001



9.7802, 9.6364, 11.2315



16.4783, 8.2225, 13.0781



0.6757, 0.3342, 0.6715

Previews

White Background



This preview shows how the XYZ color 29.1126, 40.8495, 30.7764 looks on a white background.

Color Contrast Check

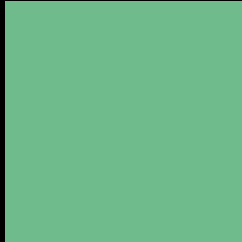
Large Text (above 18pt) WCAG AA × Fail

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 29.1126, 40.8495, 30.7764 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 29.1126, 40.8495, 30.7764

Background



This preview shows how black text looks on a background with the XYZ color 29.1126, 40.8495, 30.7764.

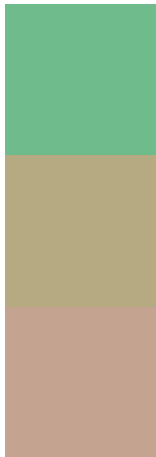


This preview shows how white text looks on a background with the XYZ color 29.1126, 40.8495,

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

29.1126, 40.8495, 30.7764

Protanopia

37.7629, 40.3332, 27.2675

Deuteranopia

41.0745, 40.3003, 31.9994



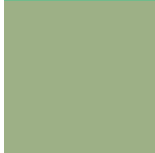
Tritanopia

34.3710, 40.8226, 57.1069

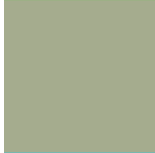
Trichromacy



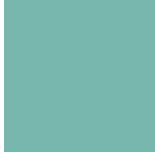
Original Color
29.1126, 40.8495, 30.7764



Protanomaly
33.7330, 39.9400, 28.4855



Deuteranomaly
35.1521, 39.4574, 31.3545



Tritanomaly
32.3192, 40.9160, 46.2386

Monochromacy



Original Color
29.1126, 40.8495, 30.7764



Achromatopsia
32.9542, 34.6704, 37.7561



Achromatomaly
31.0108, 36.3937, 35.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1126, 40.8495, 30.7764 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(112, 187, 139)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 139)  
}
```

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(112, 187, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.1126, 40.8495, 30.7764 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(112, 187, 139) }
```


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

```
.border{ border-color:rgb(112, 187, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 187, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 139);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1126, 40.8495, 30.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 139) }
```

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

```
.background{ background-color: rgb(112,  
187, 139) }
```

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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