

Converting Colors

XYZ(29.6427, 41.5761, 31.8572)

Have a look what the booklet for
XYZ(29.6427, 41.5761, 31.8572)
contains.

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Color

**XYZ(29.7622, 41.7929,
32.0894)**

Conversions

Conversions Part 1

Format	Color
Hex	70BD8E
RGB	112, 189, 142
RGB Percent	44%, 74%, 56%
CMY	0.5608, 0.2588, 0.4431
CMYK	0.41, 0.00, 0.25, 0.26
HSL	143°, 37%, 59%
HSV	143°, 41%, 74%
XYZ	29.7622, 41.7929, 32.0894
YIQ	160.6190, -30.8050, -30.9410

Conversions

Conversions Part 2

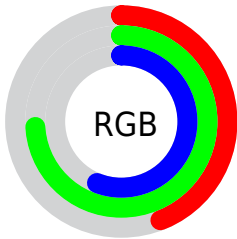
Format	Color
RYB	112, 167, 189
Decimal	7388558
CIELab	70.73, -34.30, 16.44
CIElCh	71, 38.031, 154.396
Yxy	41.7929, 0.2872, 0.4032
Android (android.graphics.Color)	4285578638 (0xFF70BD8E)
YUV	160.6190, -9.1792, -42.6389
Hunter-Lab	64.6474, -30.9557, 15.8231

Details

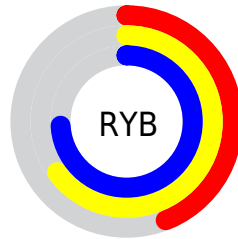
The XYZ color **29.7622, 41.7929, 32.0894** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **33.0399, 24.9114, 35.8696**, and the grayscale version is **33.7519, 35.5096, 38.6700**.

A 20% lighter version of the original color is **58.8559, 78.1125, 64.1997**, and **12.3407, 19.0002, 13.1422** is the 20% darker color. If you saturate the color by 10%, you get **26.7834, 40.3534, 27.6604**, and if you desaturate by 10%, it is **33.3377, 43.5319, 37.0161**.

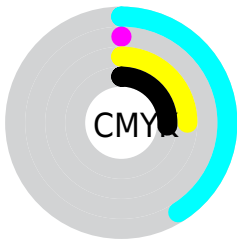
Distribution



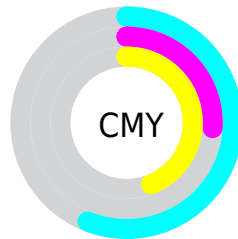
- Red (44%)
- Green (74%)
- Blue (56%)



- Red (44%)
- Yellow (65%)
- Blue (74%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)





- Cyan (56%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7622, 41.7929, 32.0894 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 29.7622, 41.7929, 32.0894 by changing the saturation by 10% instead.


 29.7622, 41.7929,
32.0894


 29.7622, 41.7929,
32.0894


292.7242,
353.6237, 326.0316


 19.8053, 28.9392,
21.1644


 58.6751, 77.8861,
64.0507

 12.3611, 19.0348,
13.0518


 78.3619, 101.8943,
85.9242

 7.0640, 11.6954,
7.3331


 102.0227,
130.3895, 112.2842

 3.5489, 6.5366,
3.5897

130.0228,
163.7561, 143.5493

 1.4502, 3.1741,
1.4031

162.7277,
202.3784, 180.1380

 0.2916, 1.2233,
0.1441

200.5026,

 0.0000, 0.0806,

246.6408, 222.4690

0.0000

243.7130,
296.9278, 270.9606

■ 0.0000, 0.0000,
0.0000

■ 29.7622, 41.7929,
32.0894

■ 29.7622, 41.7929,
32.0894

■ 26.7834, 40.3534,
27.6604

■ 33.3377, 43.5319,
37.0161

■ 24.3634, 39.1907,
23.7106

■ 37.5381, 45.5814,
42.4529

■ 22.4649, 38.2872,
20.2243


■ 42.3941, 47.9578,
48.4149


■ 21.0446, 37.6209,
17.1836


■ 47.9330, 50.6750,
54.9161


■ 20.0513, 37.1656,
14.5698


■ 54.1807, 53.7462,
61.9696

 19.4221, 36.8862,
12.5105

 61.1616, 57.1836,
69.5883

 68.8992, 60.9990,
77.7846

 74.3322, 63.6142,
86.4261

 76.0472, 64.3003,
95.4574

Harmonies

Analogous

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



33.2603, 41.7929, 22.4472



29.7622, 41.7929, 32.0894



28.8197, 41.7929, 48.2188

Triad

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



29.7622, 41.7929, 32.0894



40.6594, 41.7929, 89.6453



50.5900, 41.7929, 28.5743

Complementary

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



29.7622, 41.7929, 32.0894



33.0399, 24.9114, 35.8696

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.



53.0784, 41.7929, 42.8956



29.7622, 41.7929, 32.0894



46.9727, 41.7929, 80.5890

Square

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



29.7622, 41.7929, 32.0894



34.7106, 41.7929, 84.5476



51.6897, 41.7929, 62.2197



45.1958, 41.7929, 20.8264

Rectangle

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



29.7622, 41.7929, 32.0894



29.6732, 41.7929, 61.4058



51.6897, 41.7929, 62.2197



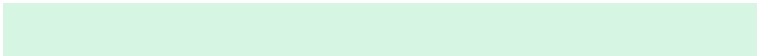
51.8186, 41.7929, 32.6180

Sweetspot

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



29.7633, 41.7946, 32.0903



74.5880, 85.2340, 85.0988



35.5178, 44.9873, 22.1413



15.7868, 18.2053, 17.9937



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.



29.7633, 41.7946, 32.0903



48.4334, 72.4949, 50.2594



33.1210, 43.1377, 49.7714



9.5585, 10.7095, 10.9247



13.1024, 24.8312, 8.6018



0.5455, 0.9856, 0.5068

Inverse Universe

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



33.0399, 24.9114, 35.8696



55.1016, 38.0856, 57.9136



30.2318, 23.7882, 21.0827



9.7682, 9.6316, 11.1682



16.2549, 8.1331, 11.9016



0.6679, 0.3311, 0.6305

Previews

White Background



This preview shows how the XYZ color 29.7622, 41.7929, 32.0894 looks on a white background.

Color Contrast Check

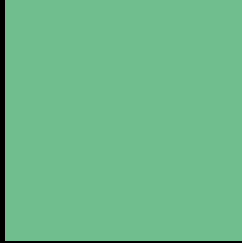
Large Text (above 18pt) WCAG AA × Fail

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 29.7622, 41.7929, 32.0894 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 29.7622, 41.7929, 32.0894

Background



This preview shows how black text looks on a background with the XYZ color 29.7622, 41.7929, 32.0894.



This preview shows how white text looks on a background with the XYZ color 29.7622, 41.7929,

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

29.7622, 41.7929, 32.0894

Protanopia

38.8228, 41.4166, 28.5023

Deuteranopia

42.1914, 41.3848, 33.3681



Tritanopia

35.0039, 41.7265, 58.4337

Trichromacy



Original Color

29.7622, 41.7929, 32.0894

Protanomaly

34.5363, 40.9160, 29.7442

Deuteranomaly

36.1832, 40.5319, 32.7044

Tritanomaly

32.9312, 41.8256, 47.4118

Monochromacy



Original Color

29.7622, 41.7929, 32.0894

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.7233, 37.2986, 36.0992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7622, 41.7929, 32.0894 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, 189, 142)` looks like.

```
.text, #text, p{  
    color:rgb(112, 189, 142)  
}
```

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, 189, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 189, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.7622, 41.7929, 32.0894 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, 189, 142) }
```


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

```
.border{ border-color:rgb(112, 189, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 189, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 189, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 189, 142);  
box-shadow:4px 4px 4px 4px rgb(112, 189,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7622, 41.7929, 32.0894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 189, 142) }
```

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

```
.background{ background-color: rgb(112,  
189, 142) }
```

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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