

Converting Colors

XYZ(30.3238, 41.4568, 31.6030)

Have a look what the booklet for
XYZ(30.3238, 41.4568, 31.6030)
contains.

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Color

**XYZ(30.3238, 41.4568,
31.6030)**

Conversions

Conversions Part 1

Format	Color
Hex	78BB8D
RGB	120, 187, 141
RGB Percent	47%, 73%, 55%
CMY	0.5294, 0.2667, 0.4471
CMYK	0.36, 0.00, 0.25, 0.27
HSL	139°, 33%, 60%
HSV	139°, 36%, 73%
XYZ	30.3238, 41.4568, 31.6030
YIQ	161.7230, -25.1660, -28.5100

Conversions

Conversions Part 2

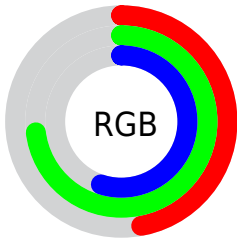
Format	Color
RYB	120, 171, 187
Decimal	7912333
CIELab	70.49, -31.17, 16.71
CIElCh	70, 35.366, 151.805
Yxy	41.4568, 0.2933, 0.4010
Android (android.graphics.Color)	4286102413 (0xFF78BB8D)
YUV	161.7230, -10.2164, -36.5911
Hunter-Lab	64.3870, -28.6105, 15.9696

Details

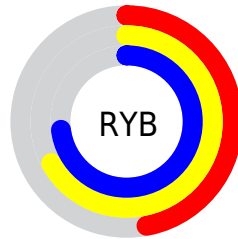
The XYZ color **30.3238, 41.4568, 31.6030** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.0944, 26.7519, 39.4449**, and the grayscale version is **34.2687, 36.0533, 39.2621**.

A 20% lighter version of the original color is **59.6566, 77.6402, 63.4716**, and **12.6598, 18.7593, 12.8512** is the 20% darker color. If you saturate the color by 10%, you get **27.0787, 39.8891, 26.7503**, and if you desaturate by 10%, it is **34.1884, 43.3333, 37.0647**.

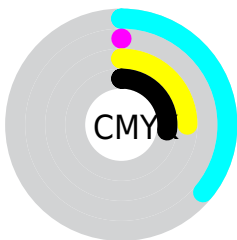
Distribution



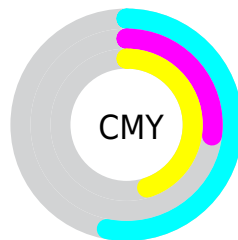
- Red (47%)
- Green (73%)
- Blue (55%)



- Red (47%)
- Yellow (67%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3238, 41.4568, 31.6030 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 30.3238, 41.4568, 31.6030 by changing the saturation by 10% instead.


 30.3238, 41.4568,
31.6030


 30.3238, 41.4568,
31.6030


295.2937,
352.2262, 323.7436


 20.2338, 28.6762,
20.7961

 59.5570, 77.3768,
63.2789

 12.6743, 18.8360,
12.7853


 79.4309, 101.2851,
84.9849

 7.2801, 11.5518,
7.1519


 103.2968,
129.6713, 111.1612

 3.6858, 6.4393,
3.4774

131.5200,
162.9199, 142.2261

 1.5260, 3.1140,
1.3433

164.4660,
201.4153, 178.5983

 0.3434, 1.1915,
0.0968

202.5000,

 0.0000, 0.0548,

245.5419, 220.6962

0.0000

245.9874,
295.6841, 268.9385

■ 0.0000, 0.0000,
0.0000

■ 30.3238, 41.4568,
31.6030

■ 30.3238, 41.4568,
31.6030

■ 27.0787, 39.8891,
26.7503

■ 34.1884, 43.3333,
37.0647

■ 24.4164, 38.6084,
22.4826

■ 38.6999, 45.5290,
43.1526

■ 22.3013, 37.5978,
18.7782


■ 43.8882, 48.0600,
49.8871


■ 20.6925, 36.8368,
15.6133


■ 49.7802, 50.9398,
57.2864


■ 19.5427, 36.3015,
12.9621

■ 56.4013, 54.1811,
65.3683


 18.7932, 35.9623,
10.7963

 63.7758, 57.7960,
74.1496

 18.5505, 35.8539,
10.0278

 71.9266, 61.7962,
83.6467

 75.2971, 63.3166,
93.6145

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



33.7841, 41.4568, 22.9782



30.3238, 41.4568, 31.6030



29.2247, 41.4568, 46.1587

Triad

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



30.3238, 41.4568, 31.6030



39.7578, 41.4568, 85.4471



49.7219, 41.4568, 30.2414

Complementary

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



30.3238, 41.4568, 31.6030



34.0944, 26.7519, 39.4449

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.



51.7075, 41.4568, 44.1352



30.3238, 41.4568, 31.6030



45.6137, 41.4568, 78.3014

Square

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



30.3238, 41.4568, 31.6030



34.3394, 41.4568, 79.7711



50.1356, 41.4568, 62.0759



44.9424, 41.4568, 22.3392

Rectangle

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



30.3238, 41.4568, 31.6030



29.8824, 41.4568, 58.1500



50.1356, 41.4568, 62.0759



50.7584, 41.4568, 34.2304

Sweetspot

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



30.3249, 41.4585, 31.6039



73.4766, 83.5710, 82.7468



37.0772, 45.1032, 24.5215



15.9063, 18.2699, 17.8646



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.



30.3249, 41.4585, 31.6039



49.6465, 71.9935, 49.6732



33.1184, 42.5759, 46.3144



9.5287, 10.6976, 10.7674



12.8100, 24.7143, 7.0624



0.5321, 0.9802, 0.4366

Inverse Universe

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



34.0944, 26.7519, 39.4449



57.3874, 41.7555, 65.7478



31.4726, 25.7032, 25.6387



9.7992, 9.6440, 11.3316



16.8563, 8.3737, 15.0686



0.6885, 0.3393, 0.7391

Previews

White Background



This preview shows how the XYZ color 30.3238, 41.4568, 31.6030 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 30.3238, 41.4568, 31.6030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

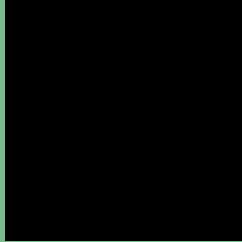
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3238, 41.4568, 31.6030

Background



This preview shows how black text looks on a background with the XYZ color 30.3238, 41.4568, 31.6030.



This preview shows how white text looks on a background with the XYZ color 30.3238, 41.4568,

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

30.3238, 41.4568, 31.6030

Protanopia

38.3944, 40.9143, 28.4279

Deuteranopia

41.6694, 40.8559, 32.8839



Tritanopia

35.4189, 41.3629, 57.1560

Trichromacy



Original Color

30.3238, 41.4568, 31.6030

Protanomaly

34.7347, 40.7240, 29.6967

Deuteranomaly

36.3398, 40.3358, 32.2558

Tritanomaly

33.4237, 41.4741, 46.8011

Monochromacy



Original Color

30.3238, 41.4568, 31.6030

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.4283, 37.6620, 36.1322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3238, 41.4568, 31.6030 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(120, 187, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 187, 141)  
}
```

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(120, 187, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 187, 141) }
```

Border

The CSS property to change the border of an element to XYZ 30.3238, 41.4568, 31.6030 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(120, 187, 141) }
```


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

```
.border{ border-color:rgb(120, 187, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 187, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 187, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 187, 141);  
box-shadow:4px 4px 4px 4px rgb(120, 187,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3238, 41.4568, 31.6030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 187, 141) }
```

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

```
.background{ background-color: rgb(120,  
187, 141) }
```

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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