

Converting Colors

XYZ(28.8733, 41.2992, 24.2233)

Have a look what the booklet for
XYZ(28.8733, 41.2992, 24.2233)
contains.

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Color

**XYZ(28.8446, 41.1741,
24.1964)**

Conversions

Conversions Part 1

Format	Color
Hex	76BC78
RGB	118, 188, 120
RGB Percent	46%, 74%, 47%
CMY	0.5373, 0.2627, 0.5294
CMYK	0.37, 0.00, 0.36, 0.26
HSL	122°, 34%, 60%
HSV	122°, 37%, 74%
XYZ	28.8446, 41.1741, 24.1964
YIQ	159.3180, -19.8920, -35.9880

Conversions

Conversions Part 2

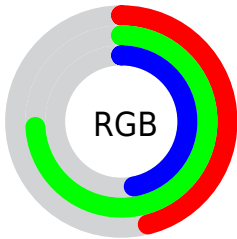
Format	Color
RYB	118, 186, 188
Decimal	7781496
CIELab	70.30, -35.97, 27.65
CIELCh	70, 45.366, 142.452
Yxy	41.1741, 0.3062, 0.4370
Android (android.graphics.Color)	4285971576 (0xFF76BC78)
YUV	159.3180, -19.3838, -36.2359
Hunter-Lab	64.1670, -32.0524, 22.5596

Details

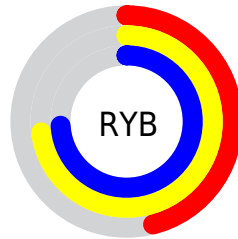
The XYZ color **28.8446, 41.1741, 24.1964** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0817, 27.1942, 49.8032**, and the grayscale version is **33.1937, 34.9223, 38.0304**.

A 20% lighter version of the original color is **57.4288, 77.2062, 51.4106**, and **11.8424, 18.6289, 8.9328** is the 20% darker color. If you saturate the color by 10%, you get **25.5369, 39.5862, 18.7976**, and if you desaturate by 10%, it is **32.8747, 43.1124, 30.7343**.

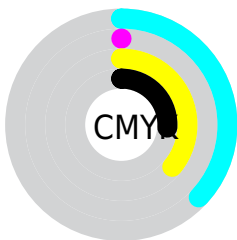
Distribution



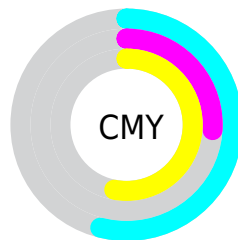
- Red (46%)
- Green (74%)
- Blue (47%)



- Red (46%)
- Yellow (73%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8446, 41.1741, 24.1964 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 28.8446, 41.1741, 24.1964 by changing the saturation by 10% instead.


 28.8446, 41.1741,
24.1964


 28.8446, 41.1741,
24.1964


288.4885,
351.0477, 287.1304


 19.1070, 28.4551,
15.2658


 57.2294, 76.9481,
51.2984

 11.8521, 18.6690,
8.8575


 76.6072, 100.7720,
70.3068

 6.7145, 11.4314,
4.5528


 99.9292, 129.0662,
93.5116

 3.3289, 6.3578,
1.9332

127.5607,
162.2153, 121.3314

 1.3300, 3.0638,
0.5138

159.8670,
200.6036, 154.1846

 0.2055, 1.1651,
0.0000

197.2135,

 0.0000, 0.0330,

244.6155, 192.4898

0.0000

239.9655,
294.6354, 236.6656

■ 0.0000, 0.0000,
0.0000

■ 28.8446, 41.1741,
24.1964

■ 28.8446, 41.1741,
24.1964

■ 25.5369, 39.5862,
18.7976

■ 32.8747, 43.1124,
30.7343

■ 22.9060, 38.3230,
14.4701

■ 37.6629, 45.4146,
38.4682

■ 20.9060, 37.3635,
11.1435


■ 43.2466, 48.0999,
47.4546


■ 19.4840, 36.6822,
8.7375


■ 49.6596, 51.1848,
57.7458


■ 18.5786, 36.2495,
7.1599


■ 56.9338, 54.6846,
69.3908

 18.1063, 36.0245,
6.2985

 65.0995, 58.6139,
82.4362

 18.0135, 35.9799,
6.1497

 74.1853, 62.9865,
96.9265

 77.2741, 64.4481,
102.9747

Harmonies

Analogous

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



33.9171, 41.1741, 16.6087



28.8446, 41.1741, 24.1964



26.5871, 41.1741, 39.6577

Triad

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



28.8446, 41.1741, 24.1964



37.2838, 41.1741, 99.0098



53.9158, 41.1741, 30.9233

Complementary

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



28.8446, 41.1741, 24.1964



36.0817, 27.1942, 49.8032

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.



55.1148, 41.1741, 50.4370



28.8446, 41.1741, 24.1964



44.8618, 41.1741, 94.4141

Square

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



28.8446, 41.1741, 24.1964



31.0410, 41.1741, 85.8373



51.6204, 41.1741, 74.7544



48.5257, 41.1741, 19.5452

Rectangle

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



28.8446, 41.1741, 24.1964



26.7518, 41.1741, 54.2677



51.6204, 41.1741, 74.7544



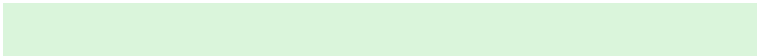
54.8480, 41.1741, 36.5581

Sweetspot

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



28.8457, 41.1758, 24.1973



74.2062, 85.1652, 79.2983



41.7078, 47.8204, 24.1718



15.6616, 18.1720, 16.5763



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.



28.8457, 41.1758, 24.1973



47.0980, 72.1338, 35.4057



31.3022, 42.1585, 37.1333



9.4195, 10.6539, 10.1928



12.2687, 24.4978, 4.2117



0.4844, 0.9611, 0.1851

Inverse Universe

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



36.0817, 27.1942, 49.8032



62.1749, 42.9940, 88.7514



32.8726, 25.9105, 32.9039



9.9179, 9.6914, 11.9565



19.9181, 9.5984, 31.1918



0.7839, 0.3775, 1.2415

Previews

White Background



This preview shows how the XYZ color 28.8446, 41.1741, 24.1964 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 28.8446, 41.1741, 24.1964 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 28.8446, 41.1741, 24.1964

Background



This preview shows how black text looks on a background with the XYZ color 28.8446, 41.1741, 24.1964.



This preview shows how white text looks on a background with the XYZ color 28.8446, 41.1741,

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

28.8446, 41.1741, 24.1964

Protanopia

37.7932, 40.7572, 21.4978

Deuteranopia

41.3343, 40.5881, 25.0578



Tritanopia

35.2615, 40.9960, 56.5066

Trichromacy



Original Color

28.8446, 41.1741, 24.1964

Protanomaly

33.5725, 40.2823, 22.5288

Deuteranomaly

35.3133, 39.9751, 24.5937

Tritanomaly

32.3633, 40.7211, 42.2306

Monochromacy



Original Color

28.8446, 41.1741, 24.1964

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.9872, 36.7231, 32.2431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8446, 41.1741, 24.1964 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(118, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 120)  
}
```

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(118, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 120) }
```

Border

The CSS property to change the border of an element to XYZ 28.8446, 41.1741, 24.1964 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(118, 188, 120) }
```


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

```
.border{ border-color:rgb(118, 188, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8446, 41.1741, 24.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 120) }
```

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

```
.background{ background-color: rgb(118,  
188, 120) }
```

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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