

Converting Colors

XYZ(28.2809, 42.5018, 26.3146)

Have a look what the booklet for
XYZ(28.2809, 42.5018, 26.3146)
contains.

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Color

**XYZ(28.3153, 42.4711,
26.4440)**

Conversions

Conversions Part 1

Format	Color
Hex	66C17E
RGB	102, 193, 126
RGB Percent	40%, 76%, 49%
CMY	0.6000, 0.2431, 0.5059
CMYK	0.47, 0.00, 0.35, 0.24
HSL	136°, 42%, 58%
HSV	136°, 47%, 76%
XYZ	28.3153, 42.4711, 26.4440
YIQ	158.1530, -32.7290, -40.1290

Conversions

Conversions Part 2

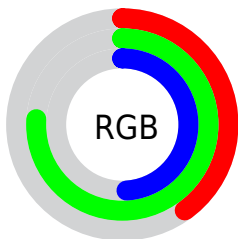
Format	Color
RYB	102, 174, 193
Decimal	6734206
CIELab	71.19, -41.90, 25.55
CIElCh	71, 49.079, 148.624
Yxy	42.4711, 0.2912, 0.4368
Android (android.graphics.Color)	4284924286 (0xFF66C17E)
YUV	158.1530, -15.8514, -49.2462
Hunter-Lab	65.1699, -36.4917, 21.5608

Details

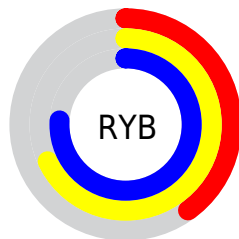
The XYZ color **28.3153, 42.4711, 26.4440** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **33.9064, 23.7055, 40.3259**, and the grayscale version is **32.6500, 34.3503, 37.4075**.

A 20% lighter version of the original color is **56.4228, 78.8950, 54.9023**, and **11.6193, 19.5449, 9.9976** is the 20% darker color. If you saturate the color by 10%, you get **25.5248, 41.1322, 21.8626**, and if you desaturate by 10%, it is **31.7475, 44.1281, 31.7373**.

Distribution



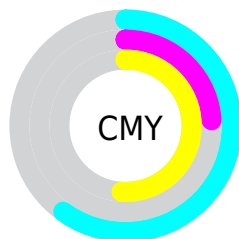
- Red (40%)
- Green (76%)
- Blue (49%)



- Red (40%)
- Yellow (68%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (35%)
- Black (24%)





- Cyan (60%)
- Magenta (24%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3153, 42.4711, 26.4440 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 28.3153, 42.4711, 26.4440 by changing the saturation by 10% instead.


 28.3153, 42.4711,
26.4440


 28.3153, 42.4711,
26.4440


286.0233,
356.4321, 298.6294


 18.7051, 29.4704,
16.9274


 56.3926, 78.9121,
54.9832


 11.5602, 19.4369,
10.0213

 75.5904, 103.1212,
74.8429

 6.5150, 11.9864,
5.3073


 98.7148, 131.8351,
98.9873

 3.2043, 6.7344,
2.3668

 126.1312,
165.4384, 127.8350

 1.2627, 3.2966,
0.7683

158.2049,
204.3153, 161.8045

 0.1550, 1.2885,
0.0000

195.3012,

 0.0000, 0.1322,

248.8503, 201.3144

0.0000

237.7856,
299.4278, 246.7832

■ 0.0000, 0.0000,
0.0000

■ 28.3153, 42.4711,
26.4440

■ 28.3153, 42.4711,
26.4440

■ 25.5248, 41.1322,
21.8626

■ 31.7475, 44.1281,
31.7373

■ 23.3312, 40.0856,
17.9596

■ 35.8556, 46.1167,
37.7681

■ 21.6895, 39.3096,
14.7034


■ 40.6753, 48.4559,
44.5644


■ 20.5460, 38.7774,
12.0585


■ 46.2388, 51.1618,
52.1519


■ 19.8281, 38.4525,
9.9854


■ 52.5763, 54.2494,
60.5549

 19.6662, 38.3798,
9.4923

 59.7162, 57.7330,
69.7968

 67.6856, 61.6260,
79.9002

 75.9919, 65.6741,
90.8622

 78.1830, 66.5505,
102.4007

Harmonies

Analogous

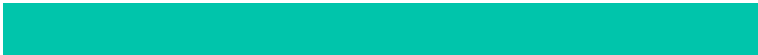
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2558, 42.4711, 16.7927



28.3153, 42.4711, 26.4440



26.5320, 42.4711, 45.1644

Triad

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



28.3153, 42.4711, 26.4440



39.9888, 42.4711, 107.9058



55.9009, 42.4711, 27.7636

Complementary

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



28.3153, 42.4711, 26.4440



33.9064, 23.7055, 40.3259

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.



58.3308, 42.4711, 47.3403



28.3153, 42.4711, 26.4440



48.4271, 42.4711, 98.4798

Square

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



28.3153, 42.4711, 26.4440



32.6809, 42.4711, 96.6899



55.4302, 42.4711, 74.0599



49.1738, 42.4711, 17.3525

Rectangle

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



28.3153, 42.4711, 26.4440



27.1594, 42.4711, 62.2675



55.4302, 42.4711, 74.0599



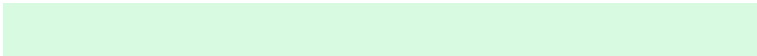
57.2845, 42.4711, 33.2359

Sweetspot

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



28.3164, 42.4729, 26.4450



75.6273, 88.1326, 83.6468



38.1014, 47.6752, 19.7646



15.7795, 18.6910, 17.3319



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.3164, 42.4729, 26.4450



45.3858, 73.5084, 38.5946



31.8300, 43.8783, 44.9476



10.0511, 11.3015, 11.2723



13.1084, 25.5374, 6.4637



0.5959, 1.1152, 0.4349

Inverse Universe

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



33.9064, 23.7055, 40.3259



56.6196, 35.6867, 66.4112



30.4305, 22.3152, 22.0223



10.3802, 10.2007, 12.0927



17.9142, 8.8554, 17.9920



0.8011, 0.3935, 0.9202

Previews

White Background



This preview shows how the XYZ color 28.3153, 42.4711, 26.4440 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 28.3153, 42.4711, 26.4440 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 28.3153, 42.4711, 26.4440

Background



This preview shows how black text looks on a background with the XYZ color 28.3153, 42.4711, 26.4440.



This preview shows how white text looks on a background with the XYZ color 28.3153, 42.4711,

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

28.3153, 42.4711, 26.4440

Protanopia

38.9526, 41.8865, 23.1714

Deuteranopia

42.7029, 41.7757, 27.6426



Tritanopia

35.0570, 42.3264, 60.3549

Trichromacy



Original Color

28.3153, 42.4711, 26.4440



Protanomaly

33.6771, 41.1911, 24.2649



Deuteranomaly

35.4909, 40.8779, 27.1387



Tritanomaly

32.0268, 42.0299, 45.4543

Monochromacy



Original Color

28.3153, 42.4711, 26.4440



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.2324, 36.6044, 32.6661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3153, 42.4711, 26.4440 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(102, 193, 126)` looks like.

```
.text, #text, p{  
    color:rgb(102, 193, 126)  
}
```

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(102, 193, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 193, 126) }
```

Border

The CSS property to change the border of an element to XYZ 28.3153, 42.4711, 26.4440 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(102, 193, 126) }
```


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

```
.border{ border-color:rgb(102, 193, 126) }
```

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

Here you see how a box with a 4 pixel rgb(102, 193, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 193, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 193, 126);  
box-shadow:4px 4px 4px 4px rgb(102, 193,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3153, 42.4711, 26.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 193, 126) }
```

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

```
.background{ background-color: rgb(102,  
193, 126) }
```

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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