

Converting Colors

XYZ(30.2761, 42.0501, 31.4085)

Have a look what the booklet for
XYZ(30.2761, 42.0501, 31.4085)
contains.

XYZ(30.2673, 42.0705, 31.3361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2673, 42.0705,
31.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	75BD8C
RGB	117, 189, 140
RGB Percent	46%, 74%, 55%
CMY	0.5412, 0.2588, 0.4510
CMYK	0.38, 0.00, 0.26, 0.26
HSL	139°, 35%, 60%
HSV	139°, 38%, 74%
XYZ	30.2673, 42.0705, 31.3361
YIQ	161.8860, -27.1830, -30.5030

Conversions

Conversions Part 2

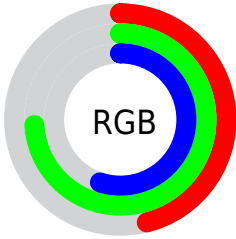
Format	Color
RYB	117, 172, 189
Decimal	7716236
CIELab	70.92, -33.21, 17.82
CIElCh	71, 37.689, 151.791
Yxy	42.0705, 0.2919, 0.4058
Android (android.graphics.Color)	4285906316 (0xFF75BD8C)
YUV	161.8860, -10.7898, -39.3650
Hunter-Lab	64.8618, -30.2123, 16.7590

Details

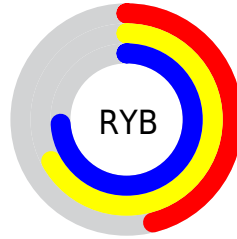
The XYZ color **30.2673, 42.0705, 31.3361** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2318, 26.2954, 39.3492**, and the grayscale version is **34.3482, 36.1369, 39.3531**.

A 20% lighter version of the original color is **59.7066, 78.5772, 63.0590**, and **12.6238, 19.1561, 12.7050** is the 20% darker color. If you saturate the color by 10%, you get **27.0861, 40.5350, 26.5226**, and if you desaturate by 10%, it is **34.0743, 43.9182, 36.7595**.

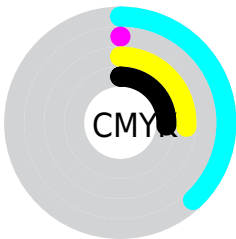
Distribution



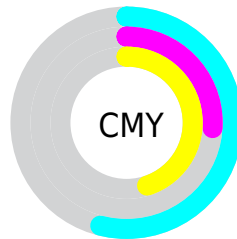
- Red (46%)
- Green (74%)
- Blue (55%)



- Red (46%)
- Yellow (67%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (26%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2673, 42.0705, 31.3361 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 30.2673, 42.0705, 31.3361 by changing the saturation by 10% instead.


 30.2673, 42.0705,
31.3361


 30.2673, 42.0705,
31.3361


295.0359,
354.7751, 322.4828


 20.1906, 29.1565,
20.5943


 59.4684, 78.3063,
62.8546

 12.6428, 19.1992,
12.6394


 79.3235, 102.3969,
84.4684

 7.2583, 11.8143,
7.0529


 103.1688,
130.9818, 110.5433

 3.6719, 6.6174,
3.4163

131.3697,
164.4455, 141.4978

 1.5183, 3.2240,
1.3109

164.2915,
203.1722, 177.7504

 0.3382, 1.2498,
0.0707

202.2996,

 0.0000, 0.1018,

247.5465, 219.7198

0.0000

245.7593,
297.9526, 267.8244

■ 0.0000, 0.0000,
0.0000

■ 30.2673, 42.0705,
31.3361

■ 30.2673, 42.0705,
31.3361

■ 27.0861, 40.5350,
26.5226

■ 34.0743, 43.9182,
36.7595

■ 24.4925, 39.2888,
22.2947

■ 38.5359, 46.0889,
42.8104

■ 22.4493, 38.3145,
18.6306


■ 43.6830, 48.5994,
49.5091


■ 20.9132, 37.5902,
15.5059


■ 49.5435, 51.4636,
56.8743


■ 19.8340, 37.0905,
12.8945


■ 56.1437, 54.6949,
64.9236


 19.1357, 36.7769,
10.7671

 63.5088, 58.3056,
73.6744

 19.0239, 36.7270,
10.4135

 71.6624, 62.3079,
83.1431

 75.6016, 64.1220,
93.1105

 77.4884, 64.8767,
103.0461

Harmonies

Analogous

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



33.9603, 42.0705, 22.2638



30.2673, 42.0705, 31.3361



29.0972, 42.0705, 46.8961

Triad

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



30.2673, 42.0705, 31.3361



40.3650, 42.0705, 89.7623



51.1460, 42.0705, 29.9061

Complementary

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



30.2673, 42.0705, 31.3361



34.2318, 26.2954, 39.3492

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.



53.3019, 42.0705, 44.7361



30.2673, 42.0705, 31.3361



46.6871, 42.0705, 81.9104

Square

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



30.2673, 42.0705, 31.3361



34.5494, 42.0705, 83.5118



51.5916, 42.0705, 64.1633



45.9666, 42.0705, 21.6028

Rectangle

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



30.2673, 42.0705, 31.3361



29.7955, 42.0705, 59.8722



51.5916, 42.0705, 64.1633



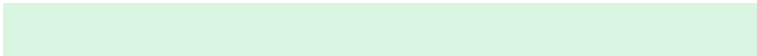
52.2714, 42.0705, 34.1385

Sweetspot

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



30.2684, 42.0722, 31.3370



75.2597, 85.5866, 84.8462



37.1778, 45.8101, 23.7128



15.9116, 18.2720, 17.8925



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.



30.2684, 42.0722, 31.3370



49.2208, 72.9381, 48.6100



33.3517, 43.3055, 47.5733



9.5310, 10.6985, 10.7798



12.8306, 24.7225, 7.1706



0.5332, 0.9806, 0.4419

Inverse Universe

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



34.2318, 26.2954, 39.3492



57.3512, 40.5261, 65.0099



31.3914, 25.1593, 24.3919



9.7967, 9.6430, 11.3187



16.8056, 8.3534, 14.8016



0.6868, 0.3386, 0.7302

Previews

White Background



This preview shows how the XYZ color 30.2673, 42.0705, 31.3361 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 30.2673, 42.0705, 31.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

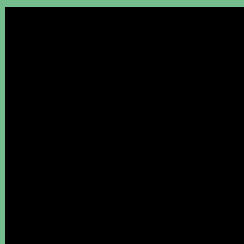
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2673, 42.0705, 31.3361

Background



This preview shows how black text looks on a background with the XYZ color 30.2673, 42.0705, 31.3361.



This preview shows how white text looks on a background with the XYZ color 30.2673, 42.0705,

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

30.2673, 42.0705, 31.3361

Protanopia

38.6845, 41.3613, 27.7744

Deuteranopia

42.3002, 41.4589, 32.5610



Tritanopia

35.7450, 42.1085, 58.4684

Trichromacy



Original Color

30.2673, 42.0705, 31.3361

Protanomaly

34.7908, 41.0636, 29.0141

Deuteranomaly

36.4562, 40.6903, 31.9192

Tritanomaly

33.6429, 42.1925, 47.4451

Monochromacy



Original Color

30.2673, 42.0705, 31.3361

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.4393, 37.9491, 36.1870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2673, 42.0705, 31.3361 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(117, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 140)  
}
```

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(117, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 140) }
```

Border

The CSS property to change the border of an element to XYZ 30.2673, 42.0705, 31.3361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

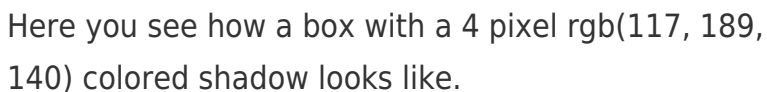
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 189, 140) }
```


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

```
.border{ border-color:rgb(117, 189, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 140);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2673, 42.0705, 31.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 140) }
```

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

```
.background{ background-color: rgb(117,  
189, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor