

Converting Colors

XYZ(30.0536, 40.3630, 26.8096)

Have a look what the booklet for
XYZ(30.0536, 40.3630, 26.8096)
contains.

XYZ(30.1562, 40.5331, 27.0031)	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(30.1562, 40.5331,
27.0031)**

Conversions

Conversions Part 1

Format	Color
Hex	81B881
RGB	129, 184, 129
RGB Percent	51%, 72%, 51%
CMY	0.4941, 0.2784, 0.4941
CMYK	0.30, 0.00, 0.30, 0.28
HSL	120°, 28%, 61%
HSV	120°, 30%, 72%
XYZ	30.1562, 40.5331, 27.0031
YIQ	161.2850, -15.1250, -28.7650

Conversions

Conversions Part 2

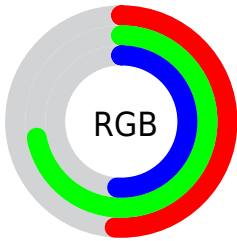
Format	Color
RYB	129, 184, 184
Decimal	8501377
CIELab	69.85, -29.01, 22.36
CIElCh	70, 36.626, 142.379
Yxy	40.5331, 0.3087, 0.4149
Android (android.graphics.Color)	4286691457 (0xFF81B881)
YUV	161.2850, -15.9165, -28.3139
Hunter-Lab	63.6656, -26.8655, 19.4187

Details

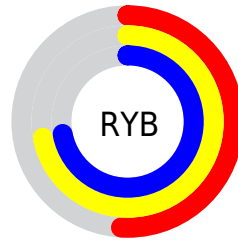
The XYZ color **30.1562, 40.5331, 27.0031** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.2705, 29.3524, 49.1030**, and the grayscale version is **34.0865, 35.8617, 39.0534**.

A 20% lighter version of the original color is **59.1320, 75.7649, 55.7635**, and **12.5882, 18.3749, 10.2804** is the 20% darker color. If you saturate the color by 10%, you get **26.4940, 38.7752, 21.0121**, and if you desaturate by 10%, it is **34.5441, 42.6420, 34.1794**.

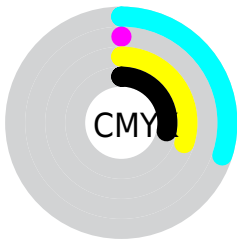
Distribution



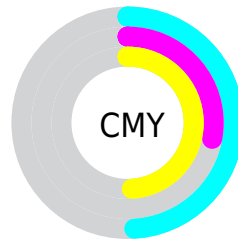
- Red (51%)
- Green (72%)
- Blue (51%)



- Red (51%)
- Yellow (72%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (28%)



- Cyan (49%)
- Magenta (28%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1562, 40.5331, 27.0031 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 30.1562, 40.5331, 27.0031 by changing the saturation by 10% instead.

■ 30.1562, 40.5331,
27.0031

■ 30.1562, 40.5331,
27.0031

294.5286,
348.3654, 301.4328

■ 20.1058, 27.9544,
17.3431

■ 59.2940, 75.9746,
55.8926

■ 12.5807, 18.2913,
10.3149

■ 79.1122, 99.6063,
75.9593

■ 7.2155, 11.1593,
5.4999

■ 102.9171,
127.6910, 100.3318

■ 3.6447, 6.1741,
2.4796

131.0740,
160.6133, 129.4289

■ 1.5032, 2.9512,
0.8293

163.9482,
198.7575, 163.6690

■ 0.3280, 1.1063,
0.0000

201.9051,

■ 0.0000, 0.0000,

242.5080, 203.4706

0.0000

245.3102,
292.2491, 249.2524

■ 30.1562, 40.5331,
27.0031

■ 30.1562, 40.5331,
27.0031

■ 26.4940, 38.7752,
21.0121

■ 34.5441, 42.6420,
34.1794

■ 23.5155, 37.3445,
16.1402

■ 39.6904, 45.1141,
42.5972

■ 21.1793, 36.2222,
12.3188

■ 45.6298, 47.9671,
52.3122

■ 19.4381, 35.3858,
9.4707

■ 52.3939, 51.2162,
63.3760

■ 18.2382, 34.8095,
7.5080

■ 60.0124, 54.8758,
75.8373

■ 17.5162, 34.4627,
6.3271

■ 68.5137, 58.9594,
89.7427

■ 17.1449, 34.2843,
5.7197

■ 76.4313, 62.7626,
102.6938

■ 17.1413, 34.2826,
5.7138

Harmonies

Analogous

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



34.3320, 40.5331, 20.2417



30.1562, 40.5331, 27.0031



28.2628, 40.5331, 39.9299

Triad

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



30.1562, 40.5331, 27.0031



37.0282, 40.5331, 85.2228



50.1014, 40.5331, 32.7980

Complementary

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



30.1562, 40.5331, 27.0031



36.2705, 29.3524, 49.1030

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.



51.0130, 40.5331, 48.6226



30.1562, 40.5331, 27.0031



43.0473, 40.5331, 81.8895

Square

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



30.1562, 40.5331, 27.0031



31.9557, 40.5331, 75.5025



48.3156, 40.5331, 67.3061



45.9391, 40.5331, 22.9372

Rectangle

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



30.1562, 40.5331, 27.0031



28.3971, 40.5331, 51.5366



48.3156, 40.5331, 67.3061



50.8144, 40.5331, 37.4759

Sweetspot

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



30.1573, 40.5348, 27.0040



72.6948, 82.1373, 78.4397



40.8719, 46.0584, 27.5052



15.3582, 17.5566, 16.3974



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.1573, 40.5348, 27.0040



50.0695, 71.2692, 41.4319



32.2381, 41.3671, 37.9615



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9378



0.4164, 0.8329, 0.1388

Inverse Universe

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



36.2705, 29.3524, 49.1030



62.9750, 47.6624, 88.0843



33.6619, 28.3089, 35.3660



9.3810, 9.1628, 11.3536



19.5859, 9.4081, 32.0358



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 30.1562, 40.5331, 27.0031 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 30.1562, 40.5331, 27.0031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

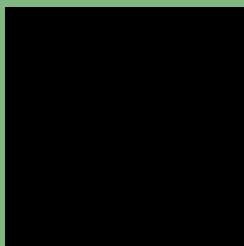
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1562, 40.5331, 27.0031

Background



This preview shows how black text looks on a background with the XYZ color 30.1562, 40.5331, 27.0031.



This preview shows how white text looks on a background with the XYZ color 30.1562, 40.5331,

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

30.1562, 40.5331, 27.0031

Protanopia

37.4783, 40.2468, 24.5320

Deuteranopia

40.9535, 40.0577, 28.1277



Tritanopia

35.6348, 40.3438, 54.6242

Trichromacy



Original Color

30.1562, 40.5331, 27.0031

Protanomaly

34.1359, 39.9271, 25.3096

Deuteranomaly

36.1833, 39.7904, 27.6031

Tritanomaly

33.3413, 40.3016, 43.0675

Monochromacy



Original Color

30.1562, 40.5331, 27.0031

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.0072, 36.9354, 33.8761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1562, 40.5331, 27.0031 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(129, 184, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 129)  
}
```

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(129, 184, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 129) }
```

Border

The CSS property to change the border of an element to XYZ 30.1562, 40.5331, 27.0031 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(129, 184, 129) }
```


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

```
.border{ border-color:rgb(129, 184, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1562, 40.5331, 27.0031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 129) }
```

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

```
.background{ background-color: rgb(129,  
184, 129) }
```

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