

Converting Colors

XYZ(32.4804, 46.4138, 28.0833)

Have a look what the booklet for
XYZ(32.4804, 46.4138, 28.0833)
contains.

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Color

**XYZ(32.3249, 46.1841,
27.9796)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC681
RGB	123, 198, 129
RGB Percent	48%, 78%, 51%
CMY	0.5176, 0.2235, 0.4941
CMYK	0.38, 0.00, 0.35, 0.22
HSL	125°, 40%, 63%
HSV	125°, 38%, 78%
XYZ	32.3249, 46.1841, 27.9796
YIQ	167.7090, -22.5510, -37.3590

Conversions

Conversions Part 2

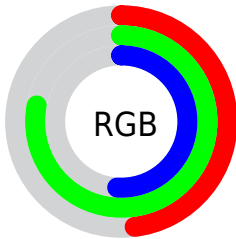
Format	Color
RYB	123, 192, 198
Decimal	8111745
CIELab	73.66, -37.48, 27.44
CIELCh	74, 46.451, 143.787
Yxy	46.1841, 0.3036, 0.4337
Android (android.graphics.Color)	4286301825 (0xFF7BC681)
YUV	167.7090, -19.0835, -39.2098
Hunter-Lab	67.9589, -34.0238, 23.1607

Details

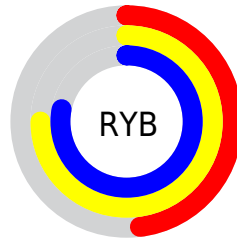
The XYZ color **32.3249, 46.1841, 27.9796** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.8876, 29.9783, 53.5549**, and the grayscale version is **37.1762, 39.1123, 42.5933**.

A 20% lighter version of the original color is **62.5636, 84.3624, 57.2421**, and **13.8388, 21.7762, 10.8710** is the 20% darker color. If you saturate the color by 10%, you get **28.6690, 44.4284, 22.0417**, and if you desaturate by 10%, it is **36.7719, 48.3253, 35.0833**.

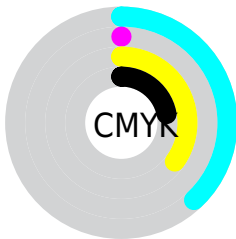
Distribution



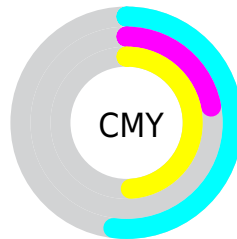
- Red (48%)
- Green (78%)
- Blue (51%)



- Red (48%)
- Yellow (75%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)



- Cyan (52%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3249, 46.1841, 27.9796 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 32.3249, 46.1841, 27.9796 by changing the saturation by 10% instead.

■ 32.3249, 46.1841,
27.9796

■ 32.3249, 46.1841,
27.9796

304.3157,
371.5483, 306.2783

■ 21.7665, 32.3911,
18.0714

■ 62.6818, 84.4945,
57.4746

■ 13.8011, 21.6604,
10.8313

■ 83.2111, 109.7806,
77.8984

■ 8.0632, 13.6076,
5.8407

■ 107.7948,
139.6666, 102.6645

■ 4.1876, 7.8483,
2.6813

136.7981,
174.5369, 132.1915

■ 1.8088, 3.9980,
0.9340

170.5865,
214.7758, 166.8978

■ 0.5230, 1.6724,
0.0000

209.5254,

■ 0.0000, 0.4057,

260.7677, 207.2020

0.0000

253.9800,
312.8971, 253.5227

■ 0.0000, 0.0000,
0.0000

■ 32.3249, 46.1841,
27.9796

■ 32.3249, 46.1841,
27.9796

■ 28.6690, 44.4284,
22.0417

■ 36.7719, 48.3253,
35.0833

■ 25.7545, 43.0299,
17.2045

■ 42.0490, 50.8670,
43.4070

■ 23.5314, 41.9658,
13.4012


■ 48.1966, 53.8301,
53.0055


■ 21.9423, 41.2079,
10.5565


■ 55.2518, 57.2328,
63.9293

■ 20.9202, 40.7236,
8.5849

■ 63.2493, 61.0917,
76.2259

 20.3712, 40.4665,
7.3853

 72.2220, 65.4231,
89.9407

 20.2873, 40.4269,
7.2180

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



37.8172, 46.1841, 19.1677



32.3249, 46.1841, 27.9796



29.9673, 46.1841, 45.5389

Triad

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



32.3249, 46.1841, 27.9796



42.2059, 46.1841, 110.1493



60.0306, 46.1841, 34.1300

Complementary

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



32.3249, 46.1841, 27.9796



39.8876, 29.9783, 53.5549

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.



61.5859, 46.1841, 55.3534



32.3249, 46.1841, 27.9796



50.5949, 46.1841, 104.2136

Square

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



32.3249, 46.1841, 27.9796



35.1942, 46.1841, 96.4414



57.9449, 46.1841, 82.1010



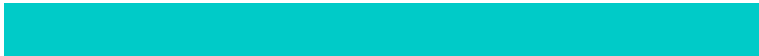
53.9269, 46.1841, 21.8640

Rectangle

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



32.3249, 46.1841, 27.9796



30.2496, 46.1841, 61.8811



57.9449, 46.1841, 82.1010



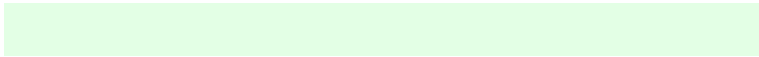
61.1320, 46.1841, 40.2392

Sweetspot

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



32.3261, 46.1860, 27.9806



81.5928, 93.5108, 88.0201



45.7635, 53.1580, 26.5877



17.1389, 19.8583, 18.3324



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.3261, 46.1860, 27.9806



52.0767, 79.3009, 41.1766



35.2009, 47.3360, 43.1191



10.5313, 11.9014, 11.4822



13.2058, 26.2947, 4.7621



0.6375, 1.2499, 0.2897

Inverse Universe

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



39.8876, 29.9783, 53.5549



67.2614, 46.7320, 92.5180



36.3315, 28.5559, 34.8289



11.0451, 10.8014, 13.2207



20.6617, 10.0142, 29.7581



0.9895, 0.4786, 1.4676

Previews

White Background



This preview shows how the XYZ color 32.3249, 46.1841, 27.9796 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 32.3249, 46.1841, 27.9796 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 32.3249, 46.1841, 27.9796

Background



This preview shows how black text looks on a background with the XYZ color 32.3249, 46.1841, 27.9796.



This preview shows how white text looks on a background with the XYZ color 32.3249, 46.1841,

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

32.3249, 46.1841, 27.9796

Protanopia

42.2781, 45.6251, 24.6674

Deuteranopia

46.4681, 45.6335, 29.2807



Tritanopia

39.5779, 46.1581, 63.9502

Trichromacy



Original Color

32.3249, 46.1841, 27.9796



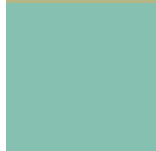
Protanomaly

37.7706, 45.4309, 25.8471



Deuteranomaly

39.7840, 44.8527, 28.7509



Tritanomaly

36.4583, 45.8601, 48.5253

Monochromacy



Original Color

32.3249, 46.1841, 27.9796



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9017, 41.2487, 36.6941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3249, 46.1841, 27.9796 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(123, 198, 129)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 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(123, 198, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 129) }
```

Border

The CSS property to change the border of an element to XYZ 32.3249, 46.1841, 27.9796 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(123, 198, 129) }
```


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

```
.border{ border-color:rgb(123, 198, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 129);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3249, 46.1841, 27.9796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 129) }
```

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

```
.background{ background-color: rgb(123,  
198, 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](#).

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