

Converting Colors

XYZ(32.0101, 41.1871, 17.6310)

Have a look what the booklet for
XYZ(32.0101, 41.1871, 17.6310)
contains.

XYZ(32.0225, 41.0913, 17.5529)	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(32.0225, 41.0913,
17.5529)**

Conversions

Conversions Part 1

Format	Color
Hex	99B661
RGB	153, 182, 97
RGB Percent	60%, 71%, 38%
CMY	0.4000, 0.2863, 0.6196
CMYK	0.16, 0.00, 0.47, 0.29
HSL	80°, 37%, 55%
HSV	80°, 47%, 71%
XYZ	32.0225, 41.0913, 17.5529
YIQ	163.6390, 10.0010, -32.5830

Conversions

Conversions Part 2

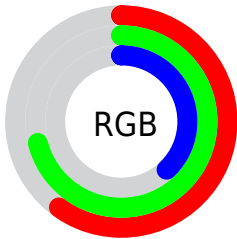
Format	Color
RYB	97, 182, 126
Decimal	10073697
CIELab	70.24, -23.81, 39.84
CIELCh	70, 46.411, 120.861
Yxy	41.0913, 0.3532, 0.4532
Android (android.graphics.Color)	4288263777 (0xFF99B661)
YUV	163.6390, -32.8530, -9.3304
Hunter-Lab	64.1025, -23.0094, 28.6366

Details

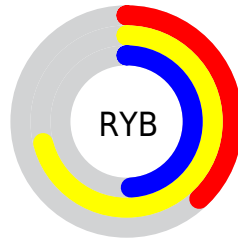
The XYZ color **32.0225, 41.0913, 17.5529** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.3240, 16.3635, 46.2929**, and the grayscale version is **35.2637, 37.1002, 40.4021**.

A 20% lighter version of the original color is **62.2938, 76.8743, 39.9888**, and **13.6189, 18.6151, 5.5646** is the 20% darker color. If you saturate the color by 10%, you get **30.1279, 40.2030, 13.5314**, and if you desaturate by 10%, it is **34.1749, 42.0926, 22.6044**.

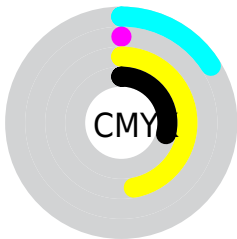
Distribution



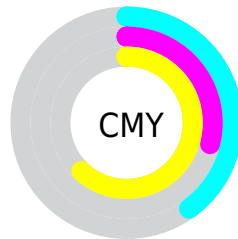
- Red (60%)
- Green (71%)
- Blue (38%)



- Red (38%)
- Yellow (71%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (47%)
- Black (29%)



- Cyan (40%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0225, 41.0913, 17.5529 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 32.0225, 41.0913, 17.5529 by changing the saturation by 10% instead.

■ 32.0225, 41.0913,
17.5529

■ 32.0225, 41.0913,
17.5529

302.9652,
350.7021, 250.4897

■ 21.5343, 28.3904,
10.4634

■ 62.2113, 76.8225,
40.0776

■ 13.6298, 18.6202,
5.5976

■ 82.6427, 100.6216,
56.3498

■ 7.9436, 11.3962,
2.5372

■ 107.1191,
128.8889, 76.5200

■ 4.1104, 6.3340,
0.8598

■ 136.0060,
162.0087, 101.0067

■ 1.7648, 3.0492,
0.0000

169.6687,
200.3656, 130.2285

■ 0.4963, 1.1575,
0.0000

208.4726,

■ 0.0000, 0.0266,

244.3438, 164.6039

0.0000

252.7829,
294.3279, 204.5514

■ 0.0000, 0.0000,
0.0000

■ 32.0225, 41.0913,
17.5529

■ 32.0225, 41.0913,
17.5529

■ 30.1279, 40.2030,
13.5314

■ 34.1749, 42.0926,
22.6044

■ 28.4736, 39.4163,
10.4662

■ 36.5951, 43.2069,
28.7476

■ 27.0444, 38.7265,
8.2779


■ 39.2963, 44.4407,
36.0426


■ 25.8218, 38.1260,
6.8732


■ 42.2898, 45.7988,
44.5443


■ 24.7804, 37.6047,
6.1247


■ 45.5860, 47.2855,
54.3039

 24.4608, 37.4437,
5.9381

 49.1951, 48.9048,
65.3699

 53.1265, 50.6608,
77.7881

 57.3893, 52.5570,
91.6020

 61.0431, 54.2174,
101.8554

Harmonies

Analogous

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



38.8367, 41.0913, 14.5643



32.0225, 41.0913, 17.5529



27.6214, 41.0913, 27.2844

Triad

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



32.0225, 41.0913, 17.5529



32.3570, 41.0913, 92.2179



55.5852, 41.0913, 44.1151

Complementary

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



32.0225, 41.0913, 17.5529



21.3240, 16.3635, 46.2929

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.



53.2774, 41.0913, 68.3998



32.0225, 41.0913, 17.5529



39.2762, 41.0913, 101.0668

Square

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



32.0225, 41.0913, 17.5529



27.7962, 41.0913, 69.8564



47.0507, 41.0913, 91.2025



53.0077, 41.0913, 26.5081

Rectangle

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



32.0225, 41.0913, 17.5529



26.3202, 41.0913, 38.4113



47.0507, 41.0913, 91.2025



55.3527, 41.0913, 51.7314

Sweetspot

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



32.0235, 41.0931, 17.5538



72.5286, 81.1523, 68.9360



28.8265, 25.5613, 14.7243



15.7703, 17.8108, 14.5306



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.



32.0235, 41.0931, 17.5538



54.5403, 72.8467, 24.3753



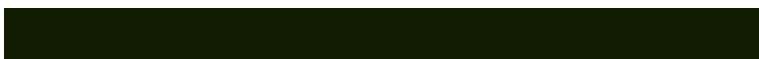
25.4635, 37.7113, 17.2468



9.4445, 10.3458, 9.6061



17.3464, 26.4787, 4.1967



0.6749, 0.9661, 0.1509

Inverse Universe

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



21.3240, 16.3635, 46.2929



32.8086, 22.5456, 82.8582



28.8327, 20.2344, 46.6443



8.8023, 8.8644, 11.3265



7.4349, 3.1440, 31.4681



0.3300, 0.1458, 1.1125

Previews

White Background



This preview shows how the XYZ color 32.0225, 41.0913, 17.5529 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 32.0225, 41.0913, 17.5529 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 32.0225, 41.0913, 17.5529

Background



This preview shows how black text looks on a background with the XYZ color 32.0225, 41.0913, 17.5529.



This preview shows how white text looks on a background with the XYZ color 32.0225, 41.0913,

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

32.0225, 41.0913, 17.5529

Protanopia

37.5250, 40.7350, 16.2408

Deuteranopia

41.6368, 40.9004, 18.0120



Tritanopia

39.1325, 41.0496, 52.3152

Trichromacy



Original Color

32.0225, 41.0913, 17.5529

Protanomaly

35.2548, 40.6982, 16.5871

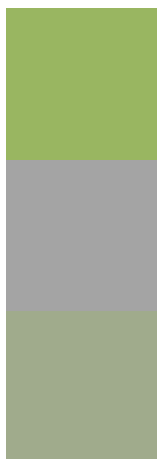
Deuteranomaly

37.6022, 40.7373, 17.9378

Tritanomaly

36.0560, 40.9608, 36.5777

Monochromacy



Original Color

32.0225, 41.0913, 17.5529

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.7937, 38.4929, 30.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0225, 41.0913, 17.5529 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(153, 182, 97)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 97)  
}
```

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(153, 182, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 97) }
```

Border

The CSS property to change the border of an element to XYZ 32.0225, 41.0913, 17.5529 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(153, 182, 97) }
```


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

```
.border{ border-color:rgb(153, 182, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 182, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 97);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0225, 41.0913, 17.5529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 97) }
```

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

```
.background{ background-color: rgb(153,  
182, 97) }
```

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