

Converting Colors

XYZ(32.7840, 41.1356, 19.5767)

Have a look what the booklet for
XYZ(32.7840, 41.1356, 19.5767)
contains.

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Color

**XYZ(32.7840, 41.1356,
19.5767)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB569
RGB	156, 181, 105
RGB Percent	61%, 71%, 41%
CMY	0.3882, 0.2902, 0.5882
CMYK	0.14, 0.00, 0.42, 0.29
HSL	80°, 34%, 56%
HSV	80°, 42%, 71%
XYZ	32.7840, 41.1356, 19.5767
YIQ	164.8610, 9.4960, -28.9360

Conversions

Conversions Part 2

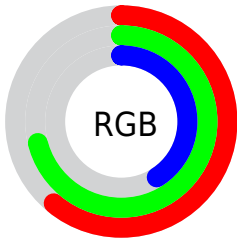
Format	Color
RYB	105, 181, 130
Decimal	10270057
CIELab	70.27, -21.20, 35.86
CIELCh	70, 41.661, 120.595
Yxy	41.1356, 0.3506, 0.4400
Android (android.graphics.Color)	4288460137 (0xFF9CB569)
YUV	164.8610, -29.5115, -7.7711
Hunter-Lab	64.1370, -20.9986, 26.7987

Details

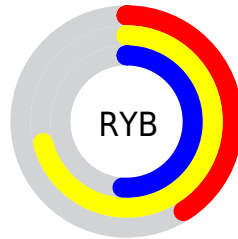
The XYZ color **32.7840, 41.1356, 19.5767** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **22.5997, 18.1863, 46.0376**, and the grayscale version is **35.8323, 37.6983, 41.0535**.

A 20% lighter version of the original color is **63.5214, 76.9997, 43.4128**, and **14.0265, 18.6074, 6.5937** is the 20% darker color. If you saturate the color by 10%, you get **30.8271, 40.2244, 15.1351**, and if you desaturate by 10%, it is **34.9975, 42.1588, 25.0655**.

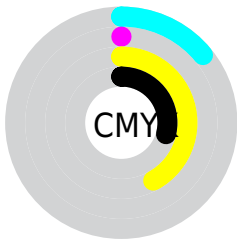
Distribution



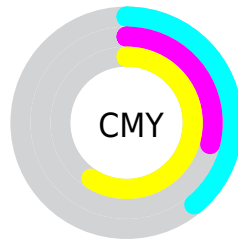
- Red (61%)
- Green (71%)
- Blue (41%)



- Red (41%)
- Yellow (71%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (42%)
- Black (29%)



- Cyan (39%)
- Magenta (29%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7840, 41.1356, 19.5767 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 32.7840, 41.1356, 19.5767 by changing the saturation by 10% instead.

■ 32.7840, 41.1356,
19.5767

■ 32.7840, 41.1356,
19.5767

306.3575,
350.8870, 262.1422

■ 22.1195, 28.4251,
11.9067

■ 63.3951, 76.8897,
43.5559

■ 14.0618, 18.6463,
6.5584

■ 84.0724, 100.7020,
60.7023

■ 8.2457, 11.4150,
3.1133

■ 108.8179,
128.9838, 81.8445

■ 4.3057, 6.3467,
1.1528

■ 137.9971,
162.1193, 107.4011

■ 1.8765, 3.0570,
0.0000

171.9753,
200.4930, 137.7906

■ 0.5631, 1.1616,
0.0000

211.1179,

■ 0.0000, 0.0300,

244.4892, 173.4316

0.0000

255.7902,
294.4924, 214.7426

■ 0.0000, 0.0000,
0.0000

■ 32.7840, 41.1356,
19.5767

■ 32.7840, 41.1356,
19.5767

■ 30.8271, 40.2244,
15.1351

■ 34.9975, 42.1588,
25.0655

■ 29.1102, 39.4142,
11.6714

■ 37.4769, 43.2936,
31.6599

■ 27.6194, 38.7007,
9.1118


■ 40.2346, 44.5464,
39.4169


■ 26.3377, 38.0772,
7.3712


■ 43.2814, 45.9217,
48.3890

■ 25.2450, 37.5354,
6.3480


■ 46.6273, 47.4234,
58.6254

 24.4739, 37.1474,
5.8803

 50.2818, 49.0556,
70.1726

 54.2541, 50.8219,
83.0748

 58.5528, 52.7260,
97.3739

 61.0378, 53.9117,
101.7967

Harmonies

Analogous

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



38.9619, 41.1356, 16.7127



32.7840, 41.1356, 19.5767



28.7311, 41.1356, 28.7361

Triad

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



32.7840, 41.1356, 19.5767



32.9945, 41.1356, 86.2267



53.7655, 41.1356, 44.4002

Complementary

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



32.7840, 41.1356, 19.5767



22.5997, 18.1863, 46.0376

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.



51.6999, 41.1356, 65.9254



32.7840, 41.1356, 19.5767



39.2347, 41.1356, 93.9465

Square

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



32.7840, 41.1356, 19.5767



28.8423, 41.1356, 66.8047



46.1751, 41.1356, 85.6236



51.5358, 41.1356, 28.2358

Rectangle

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



32.7840, 41.1356, 19.5767



27.5139, 41.1356, 38.9167



46.1751, 41.1356, 85.6236



53.5483, 41.1356, 51.2257

Sweetspot

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



32.7850, 41.1374, 19.5776



71.4216, 79.4903, 68.7698



29.4664, 26.5631, 16.9394



15.1975, 17.0722, 14.1817



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.7850, 41.1374, 19.5776



55.5898, 72.2163, 27.9315



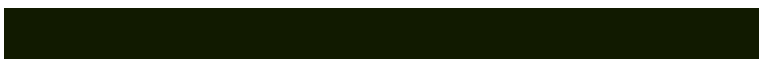
26.6736, 37.9869, 19.2916



8.9199, 9.7638, 9.0670



16.9463, 25.6462, 4.0570



0.5916, 0.8370, 0.1304

Inverse Universe

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



22.5997, 18.1863, 46.0376



35.0232, 25.8247, 81.4334



29.3440, 21.6632, 46.3532



8.2966, 8.3614, 10.6830



7.0818, 2.9866, 30.3402



0.2859, 0.1265, 0.9576

Previews

White Background



This preview shows how the XYZ color 32.7840, 41.1356, 19.5767 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 32.7840, 41.1356, 19.5767 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

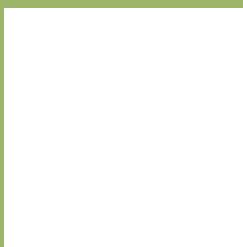
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7840, 41.1356, 19.5767

Background



This preview shows how black text looks on a background with the XYZ color 32.7840, 41.1356, 19.5767.



This preview shows how white text looks on a background with the XYZ color 32.7840, 41.1356,

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

32.7840, 41.1356, 19.5767

Protanopia

37.8405, 41.1360, 18.2576

Deuteranopia

41.7679, 40.9204, 20.1650



Tritanopia

39.4458, 41.2233, 51.7768

Trichromacy



Original Color

32.7840, 41.1356, 19.5767

Protanomaly

35.6327, 40.8494, 18.5770

Deuteranomaly

37.8205, 40.5235, 20.0158

Tritanomaly

36.4350, 40.8468, 37.4164

Monochromacy



Original Color

32.7840, 41.1356, 19.5767

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4211, 38.7904, 31.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7840, 41.1356, 19.5767 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(156, 181, 105)` looks like.

```
.text, #text, p{  
    color:rgb(156, 181, 105)  
}
```

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(156, 181, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 181, 105) }
```

Border

The CSS property to change the border of an element to XYZ 32.7840, 41.1356, 19.5767 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(156, 181, 105) }
```


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

```
.border{ border-color:rgb(156, 181, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 181, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 181, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 181, 105);  
box-shadow:4px 4px 4px 4px rgb(156, 181,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7840, 41.1356, 19.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 181, 105) }
```

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

```
.background{ background-color: rgb(156,  
181, 105) }
```

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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