

Converting Colors

XYZ(40.6157, 36.1776, 16.1516)

Have a look what the booklet for
XYZ(40.6157, 36.1776, 16.1516)
contains.

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Color

**XYZ(40.6157, 36.1776,
16.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	D79361
RGB	215, 147, 97
RGB Percent	84%, 58%, 38%
CMY	0.1569, 0.4235, 0.6196
CMYK	0.00, 0.32, 0.55, 0.16
HSL	25°, 60%, 61%
HSV	25°, 55%, 84%
XYZ	40.6157, 36.1776, 16.1516
YIQ	161.6320, 56.5780, -1.1340

Conversions

Conversions Part 2

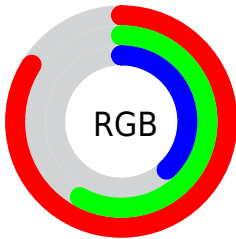
Format	Color
RYB	215, 184, 97
Decimal	14127969
CIELab	66.66, 20.33, 36.64
CIElCh	67, 41.902, 60.969
Yxy	36.1776, 0.4370, 0.3892
Android (android.graphics.Color)	4292318049 (0xFFD79361)
YUV	161.6320, -31.8636, 46.8037
Hunter-Lab	60.1478, 15.2761, 26.1822

Details

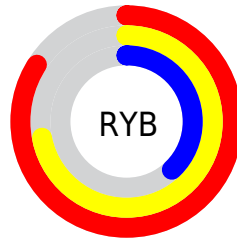
The XYZ color **40.6157, 36.1776, 16.1516** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.6499, 34.3563, 69.3056**, and the grayscale version is **34.2971, 36.0832, 39.2946**.

A 20% lighter version of the original color is **67.5515, 65.2032, 37.4589**, and **18.6419, 15.7556, 4.9643** is the 20% darker color. If you saturate the color by 10%, you get **37.9221, 32.1832, 10.9603**, and if you desaturate by 10%, it is **43.7902, 40.6993, 22.8440**.

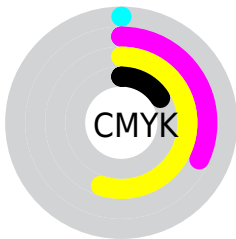
Distribution



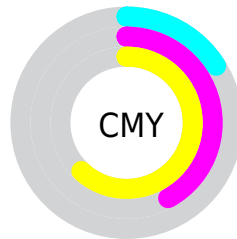
- Red (84%)
- Green (58%)
- Blue (38%)



- Red (84%)
- Yellow (72%)
- Blue (38%)



- Cyan (0%)
- Magenta (32%)
- Yellow (55%)
- Black (16%)





- Cyan (16%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6157, 36.1776, 16.1516 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 40.6157, 36.1776, 16.1516 by changing the saturation by 10% instead.


 40.6157, 36.1776,
16.1516


 40.6157, 36.1776,
16.1516


339.8020,
329.7361, 242.1108


 28.2053, 24.5714,
9.4760

 75.3786, 69.3061,
37.6316

 18.6217, 15.7580,
4.9519


 98.4617, 91.5972,
53.2731

 11.4996, 9.3531,
2.1608


 125.8331,
118.2187, 72.7403

 6.4737, 4.9722,
0.6516

 157.8582,
149.5550, 96.4518

 3.1786, 2.2310,
0.0000

194.9023,
185.9905, 124.8260

 1.2489, 0.7368,
0.0000

237.3307,

 0.1445, 0.0000,

227.9096, 158.2816

0.0000

285.5088,
275.6967, 197.2370

■ 0.0000, 0.0000,
0.0000

■ 40.6157, 36.1776,
16.1516

■ 40.6157, 36.1776,
16.1516

■ 37.9221, 32.1832,
10.9603

■ 43.7902, 40.6993,
22.8440

■ 35.6777, 28.6886,
7.1473

■ 47.4693, 45.7633,
31.1429

■ 33.8504, 25.6713,
4.5735

■ 51.6779, 51.3906,
41.1463

■ 32.4010, 23.1041,
3.0685

■ 56.4384, 57.5996,
52.9438

■ 31.7747, 21.9481,
2.5617

■ 61.7718, 64.4072,
66.6187

■ 67.6979, 71.8302,
82.2491

■ 74.2356, 79.8842,
99.9085

■ 79.0655, 87.6496,
107.3586

■ 81.8342, 93.1870,
108.2815

Harmonies

Analogous

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



45.8729, 36.1776, 24.0803



40.6157, 36.1776, 16.1516



34.1809, 36.1776, 13.8625

Triad

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



40.6157, 36.1776, 16.1516



23.6256, 36.1776, 39.9821



41.0143, 36.1776, 77.3265

Complementary

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



40.6157, 36.1776, 16.1516



30.6499, 34.3563, 69.3056

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.



34.5914, 36.1776, 85.3469



40.6157, 36.1776, 16.1516



24.9967, 36.1776, 60.1127

Square

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



40.6157, 36.1776, 16.1516



24.8311, 36.1776, 24.8212



28.8278, 36.1776, 78.2519



46.1221, 36.1776, 58.7731

Rectangle

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



40.6157, 36.1776, 16.1516



30.2241, 36.1776, 15.0389



28.8278, 36.1776, 78.2519



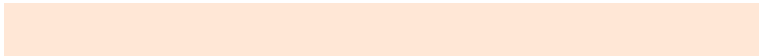
38.9129, 36.1776, 81.5595

Sweetspot

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



40.6166, 36.1794, 16.1523



82.1164, 83.5517, 75.5514



39.1667, 25.7438, 38.9012



17.2547, 17.4666, 15.3664



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.



40.6166, 36.1794, 16.1523



55.1785, 46.4041, 15.0014



52.0530, 59.0523, 19.9645



12.8515, 13.2772, 13.0461



19.1053, 13.3279, 1.5656



1.2334, 0.9659, 0.1214

Inverse Universe

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



30.6499, 34.3563, 69.3056



39.0264, 43.3796, 100.9239



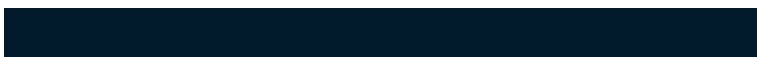
22.4361, 17.9288, 66.5677



12.3309, 13.1851, 15.8326



11.7461, 11.7541, 40.1028



0.7897, 0.8714, 2.4459

Previews

White Background



This preview shows how the XYZ color 40.6157, 36.1776, 16.1516 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 40.6157, 36.1776, 16.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

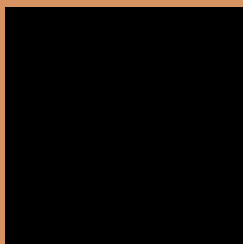
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6157, 36.1776, 16.1516

Background



This preview shows how black text looks on a background with the XYZ color 40.6157, 36.1776, 16.1516.



This preview shows how white text looks on a background with the XYZ color 40.6157, 36.1776,

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

40.6157, 36.1776, 16.1516

Protanopia

33.6768, 36.5208, 18.1062

Deuteranopia

37.0756, 36.2747, 15.8741



Tritanopia

44.1774, 36.0506, 33.9082

Trichromacy



Original Color

40.6157, 36.1776, 16.1516

Protanomaly

35.8918, 36.1299, 17.3940

Deuteranomaly

38.2414, 36.1384, 16.0262

Tritanomaly

42.8326, 36.1890, 26.2004

Monochromacy



Original Color

40.6157, 36.1776, 16.1516

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.7005, 35.7727, 29.0680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6157, 36.1776, 16.1516 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(215, 147, 97)` looks like.

```
.text, #text, p{  
    color:rgb(215, 147, 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(215, 147, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 147, 97) }
```

Border

The CSS property to change the border of an element to XYZ 40.6157, 36.1776, 16.1516 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(215, 147, 97) }
```


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

```
.border{ border-color:rgb(215, 147, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 147, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 147, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 147, 97);  
box-shadow:4px 4px 4px 4px rgb(215, 147,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6157, 36.1776, 16.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 147, 97) }
```

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

```
.background{ background-color: rgb(215,  
147, 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](#).

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