

Converting Colors

XYZ(40.7475, 35.6436, 11.7127)

Have a look what the booklet for
XYZ(40.7475, 35.6436, 11.7127)
contains.

XYZ(40.8280, 35.6980, 11.7597)	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(40.8280, 35.6980,
11.7597)**

Conversions

Conversions Part 1

Format	Color
Hex	DC904D
RGB	220, 144, 77
RGB Percent	86%, 56%, 30%
CMY	0.1373, 0.4353, 0.6980
CMYK	0.00, 0.35, 0.65, 0.14
HSL	28°, 67%, 58%
HSV	28°, 65%, 86%
XYZ	40.8280, 35.6980, 11.7597
YIQ	159.0860, 66.8030, -4.7250

Conversions

Conversions Part 2

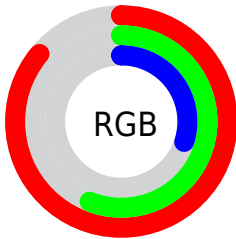
Format	Color
R _Y B	220, 203, 77
Decimal	14454861
CIE Lab	66.29, 22.57, 46.63
CIE LCh	66, 51.807, 64.173
Yxy	35.6980, 0.4625, 0.4043
Android (android.graphics.Color)	4292644941 (0xFFDC904D)
YUV	159.0860, -40.4684, 53.4216
Hunter-Lab	59.7478, 17.4173, 30.1539

Details

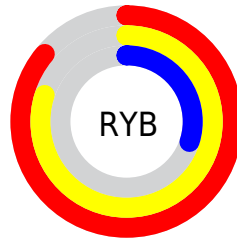
The XYZ color **40.8280, 35.6980, 11.7597** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **27.3693, 29.5260, 71.9662**, and the grayscale version is **33.1528, 34.8793, 37.9836**.

A 20% lighter version of the original color is **65.3304, 63.2067, 29.1789**, and **18.8101, 15.4849, 3.0344** is the 20% darker color. If you saturate the color by 10%, you get **38.4987, 32.0795, 7.7775**, and if you desaturate by 10%, it is **43.6050, 39.7920, 17.1872**.

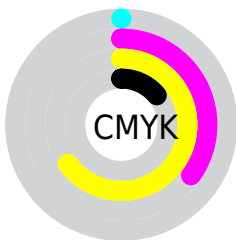
Distribution



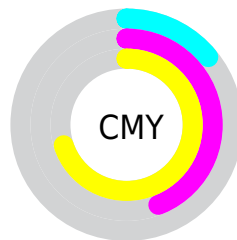
- Red (86%)
- Green (56%)
- Blue (30%)



- Red (86%)
- Yellow (80%)
- Blue (30%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (14%)



- Cyan (14%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8280, 35.6980, 11.7597 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 40.8280, 35.6980, 11.7597 by changing the saturation by 10% instead.

40.8280, 35.6980,
11.7597

40.8280, 35.6980,
11.7597

340.6761,
327.6386, 213.7290

28.3718, 24.2010,
6.4597

75.6991, 68.5657,
29.7145

18.7480, 15.4828,
3.0533

98.8447, 90.7052,
43.2064

11.5912, 9.1589,
1.1219

126.2841,
117.1610, 60.2661

6.5362, 4.8450,
0.0000

158.3827,
148.3176, 81.3120

3.2175, 2.1566,
0.0000

195.5058,
184.5592, 106.7627

1.2698, 0.6962,
0.0000

238.0189,

0.1604, 0.0000,

226.2703, 137.0367

0.0000

286.2872,
273.8353, 172.5527

■ 0.0000, 0.0000,
0.0000

■ 40.8280, 35.6980,
11.7597

■ 40.8280, 35.6980,
11.7597

■ 38.4987, 32.0795,
7.7775

■ 43.6050, 39.7920,
17.1872

■ 36.5812, 28.9088,
5.0909

■ 46.8564, 44.3763,
24.1856

■ 35.0368, 26.1625,
3.5199

■ 50.6093, 49.4713,
32.8688

■ 34.3737, 24.9330,
3.0009

■ 54.8878, 55.0944,
43.3395

■ 59.7142, 61.2623,
55.6921

■ 65.1096, 67.9906,
70.0144

■ 71.0936, 75.2942,
86.3886

■ 77.6849, 83.1876,
104.8920

■ 81.5115, 90.3286,
107.7468

Harmonies

Analogous

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



47.7768, 35.6980, 19.5226



40.8280, 35.6980, 11.7597



32.8596, 35.6980, 9.9907

Triad

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



40.8280, 35.6980, 11.7597



21.1569, 35.6980, 42.0502



42.9846, 35.6980, 85.8117

Complementary

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



40.8280, 35.6980, 11.7597



27.3693, 29.5260, 71.9662

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.



35.0232, 35.6980, 98.6788



40.8280, 35.6980, 11.7597



23.0558, 35.6980, 68.0261

Square

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



40.8280, 35.6980, 11.7597



22.2298, 35.6980, 23.1133



27.8561, 35.6980, 91.1724



49.1488, 35.6980, 60.5268

Rectangle

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



40.8280, 35.6980, 11.7597



28.1987, 35.6980, 11.5270



27.8561, 35.6980, 91.1724



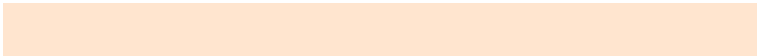
40.3893, 35.6980, 92.0930

Sweetspot

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



40.8288, 35.6998, 11.7604



80.5367, 81.9213, 70.3111



37.9409, 22.8323, 32.6602



16.8248, 17.0054, 13.9943



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.



40.8288, 35.6998, 11.7604



52.7510, 43.1360, 9.3000



55.2144, 64.4709, 16.5556



13.5565, 14.0524, 13.7235



20.2832, 14.8520, 1.7977



1.3998, 1.1337, 0.1450

Inverse Universe

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



27.3693, 29.5260, 71.9662



32.5718, 33.8344, 99.4217



18.9788, 12.7449, 69.1694



12.9087, 13.7572, 16.6272



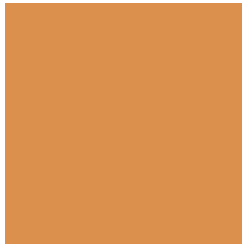
11.4217, 10.7129, 41.2042



0.8260, 0.8660, 2.6981

Previews

White Background



This preview shows how the XYZ color 40.8280, 35.6980, 11.7597 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 40.8280, 35.6980, 11.7597 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 40.8280, 35.6980, 11.7597

Background



This preview shows how black text looks on a background with the XYZ color 40.8280, 35.6980, 11.7597.



This preview shows how white text looks on a background with the XYZ color 40.8280, 35.6980,

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

40.8280, 35.6980, 11.7597

Protanopia

32.8418, 35.9302, 13.3879

Deuteranopia

36.6450, 35.8986, 11.6543



Tritanopia

45.0438, 35.6912, 31.7091

Trichromacy



Original Color

40.8280, 35.6980, 11.7597

Protanomaly

35.1989, 35.3742, 12.7573

Deuteranomaly

37.9430, 35.5999, 11.7091

Tritanomaly

43.1152, 35.5337, 22.6754

Monochromacy



Original Color

40.8280, 35.6980, 11.7597

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.5741, 34.5199, 25.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8280, 35.6980, 11.7597 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(220, 144, 77)` looks like.

```
.text, #text, p{  
    color:rgb(220, 144, 77)  
}
```

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(220, 144, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 144, 77) }
```

Border

The CSS property to change the border of an element to XYZ 40.8280, 35.6980, 11.7597 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(220, 144, 77) }
```


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

```
.border{ border-color:rgb(220, 144, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 144, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 144, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 144, 77);  
box-shadow:4px 4px 4px 4px rgb(220, 144,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8280, 35.6980, 11.7597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 144, 77) }
```

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

```
.background{ background-color: rgb(220,  
144, 77) }
```

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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