

Converting Colors

XYZ(40.6691, 36.4892, 20.4009)

Have a look what the booklet for
XYZ(40.6691, 36.4892, 20.4009)
contains.

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Color

**XYZ(40.8795, 36.6842,
20.5490)**

Conversions

Conversions Part 1

Format	Color
Hex	D49571
RGB	212, 149, 113
RGB Percent	83%, 58%, 44%
CMY	0.1686, 0.4157, 0.5569
CMYK	0.00, 0.30, 0.47, 0.17
HSL	22°, 54%, 64%
HSV	22°, 47%, 83%
XYZ	40.8795, 36.6842, 20.5490
YIQ	163.7330, 49.1040, 2.1600

Conversions

Conversions Part 2

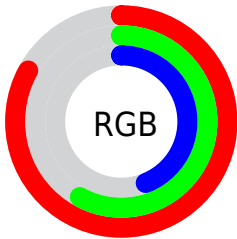
Format	Color
R _Y B	212, 170, 113
Decimal	13931889
CIE Lab	67.04, 19.49, 28.45
CIE LCh	67, 34.488, 55.585
Yxy	36.6842, 0.4167, 0.3739
Android (android.graphics.Color)	4292121969 (0xFFD49571)
YUV	163.7330, -25.0114, 42.3302
Hunter-Lab	60.5675, 14.4839, 22.2817

Details

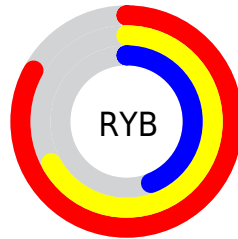
The XYZ color **40.8795, 36.6842, 20.5490** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2184, 39.3133, 68.0720**, and the grayscale version is **35.2592, 37.0955, 40.3970**.

A 20% lighter version of the original color is **69.3875, 66.6885, 44.8124**, and **18.8107, 16.0741, 6.9617** is the 20% darker color. If you saturate the color by 10%, you get **37.8106, 32.2385, 14.3096**, and if you desaturate by 10%, it is **44.4763, 41.7395, 28.3404**.

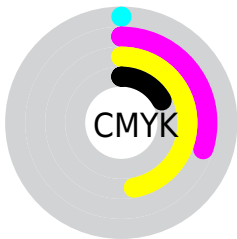
Distribution



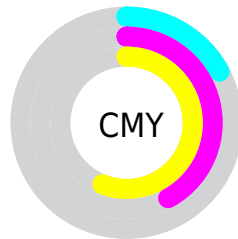
- Red (83%)
- Green (58%)
- Blue (44%)



- Red (83%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (30%)
- Yellow (47%)
- Black (17%)





- Cyan (17%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8795, 36.6842, 20.5490 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 40.8795, 36.6842, 20.5490 by changing the saturation by 10% instead.


 40.8795, 36.6842,
20.5490

 40.8795, 36.6842,
20.5490


340.8879,
331.9413, 267.5737

 28.4122, 24.9631,
12.6067


 75.7768, 70.0868,
45.2067


 18.7786, 16.0495,
7.0308


 98.9375, 92.5371,
62.7593

 11.6135, 9.5592,
3.4026


 126.3934,
119.3326, 84.3523

 6.5514, 5.1077,
1.3037

 158.5098,
150.8576, 110.4043

 3.2270, 2.3106,
0.0648

195.6521,
187.4966, 141.3340

 1.2749, 0.7793,
0.0000

238.1857,

 0.1643, 0.0000,

229.6339, 177.5597

0.0000

286.4758,
277.6540, 219.5001

■ 0.0000, 0.0000,
0.0000

■ 40.8795, 36.6842,
20.5490

■ 40.8795, 36.6842,
20.5490

■ 37.8106, 32.2385,
14.3096

■ 44.4763, 41.7395,
28.3404

■ 35.2386, 28.3723,
9.5135

■ 48.6240, 47.4221,
37.7781

■ 33.1335, 25.0607,
6.0412


■ 53.3475, 53.7555,
48.9512


■ 31.4597, 22.2745,
3.7526


■ 58.6692, 60.7606,
61.9419


■ 30.1736, 19.9802,
2.4673

■ 64.6104, 68.4569,
76.8270

 29.8123, 19.3189,
2.1576

 71.1910, 76.8633,
93.6790

 77.3823, 85.5789,
107.0476

 80.9614, 92.7370,
108.2407

Harmonies

Analogous

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



44.7707, 36.6842, 28.7295



40.8795, 36.6842, 20.5490



35.6489, 36.6842, 17.5222

Triad

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



40.8795, 36.6842, 20.5490



25.7528, 36.6842, 37.7616



39.4033, 36.6842, 72.0436

Complementary

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



40.8795, 36.6842, 20.5490



34.2184, 39.3133, 68.0720

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.



34.0970, 36.6842, 76.1873



40.8795, 36.6842, 20.5490



26.5438, 36.6842, 53.7496

Square

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



40.8795, 36.6842, 20.5490



27.1960, 36.6842, 25.7490



29.4754, 36.6842, 68.8008



43.8603, 36.6842, 58.5789

Rectangle

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



40.8795, 36.6842, 20.5490



32.2289, 36.6842, 18.0915



29.4754, 36.6842, 68.8008



37.6457, 36.6842, 74.6968

Sweetspot

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



40.8804, 36.6860, 20.5497



83.0022, 84.2633, 79.1148



41.0275, 28.9960, 45.2128



17.4039, 17.5563, 16.0594



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.



40.8804, 36.6860, 20.5497



57.4752, 49.0332, 21.8228



50.1324, 55.1901, 23.6337



12.7893, 13.1529, 13.0254



18.4919, 12.1011, 1.3611



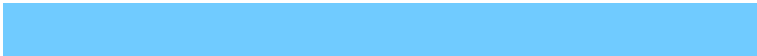
1.1928, 0.8849, 0.1079

Inverse Universe

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



34.2184, 39.3133, 68.0720



46.1291, 53.4209, 102.4878



26.3937, 23.6639, 65.4638



12.3948, 13.3130, 15.8539



12.7746, 13.8111, 40.4457



0.8480, 0.9879, 2.4653

Previews

White Background



This preview shows how the XYZ color 40.8795, 36.6842, 20.5490 looks on a white background.

Color Contrast Check

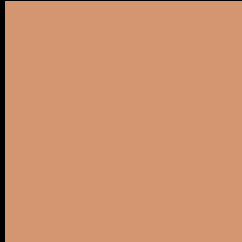
Large Text (above 18pt) WCAG AA × Fail

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 40.8795, 36.6842, 20.5490 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 40.8795, 36.6842, 20.5490

Background



This preview shows how black text looks on a background with the XYZ color 40.8795, 36.6842, 20.5490.



This preview shows how white text looks on a background with the XYZ color 40.8795, 36.6842,

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

40.8795, 36.6842, 20.5490

Protanopia

34.3315, 36.7564, 22.7380

Deuteranopia

37.3188, 36.5489, 20.4170



Tritanopia

43.9741, 36.5769, 35.3142

Trichromacy



Original Color

40.8795, 36.6842, 20.5490

Protanomaly

36.4240, 36.5569, 21.9661

Deuteranomaly

38.4033, 36.3698, 20.3252

Tritanomaly

42.8099, 36.5620, 29.2269

Monochromacy



Original Color

40.8795, 36.6842, 20.5490

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.5650, 36.6644, 31.9378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8795, 36.6842, 20.5490 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(212, 149, 113)` looks like.

```
.text, #text, p{  
    color:rgb(212, 149, 113)  
}
```

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(212, 149, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 149, 113) }
```

Border

The CSS property to change the border of an element to XYZ 40.8795, 36.6842, 20.5490 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(212, 149, 113) }
```


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

```
.border{ border-color:rgb(212, 149, 113) }
```

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

Here you see how a box with a 4 pixel rgb(212, 149, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 149, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 149, 113);  
box-shadow:4px 4px 4px 4px rgb(212, 149,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8795, 36.6842, 20.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 149, 113) }
```

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

```
.background{ background-color: rgb(212,  
149, 113) }
```

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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