

Converting Colors

XYZ(40.2488, 35.6003, 22.0409)

Have a look what the booklet for
XYZ(40.2488, 35.6003, 22.0409)
contains.

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Color

**XYZ(40.1272, 35.5674,
21.8898)**

Conversions

Conversions Part 1

Format	Color
Hex	D29276
RGB	210, 146, 118
RGB Percent	82%, 57%, 46%
CMY	0.1765, 0.4274, 0.5372
CMYK	0.00, 0.30, 0.44, 0.18
HSL	18°, 51%, 64%
HSV	18°, 44%, 82%
XYZ	40.1272, 35.5674, 21.8898
YIQ	161.9440, 47.1320, 4.8600

Conversions

Conversions Part 2

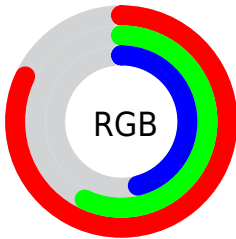
Format	Color
R _Y B	210, 158, 118
Decimal	13800054
CIE Lab	66.19, 20.83, 24.54
CIE LCh	66, 32.190, 49.672
Yxy	35.5674, 0.4112, 0.3645
Android (android.graphics.Color)	4291990134 (0xFFD29276)
YUV	161.9440, -21.6644, 42.1451
Hunter-Lab	59.6384, 15.7350, 19.9850

Details

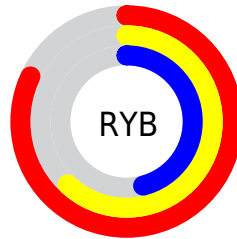
The XYZ color **40.1272, 35.5674, 21.8898** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.8312, 41.9588, 67.1829**, and the grayscale version is **34.4000, 36.1915, 39.4125**.

A 20% lighter version of the original color is **69.1500, 65.4708, 47.0227**, and **18.3033, 15.3864, 7.6354** is the 20% darker color. If you saturate the color by 10%, you get **36.9058, 30.9044, 15.3296**, and if you desaturate by 10%, it is **43.9159, 40.9205, 30.0104**.

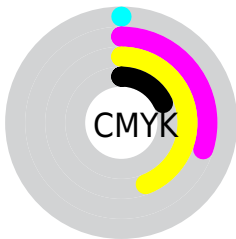
Distribution



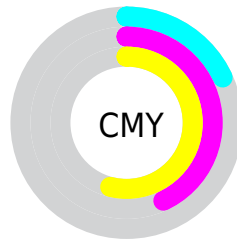
- Red (82%)
- Green (57%)
- Blue (46%)



- Red (82%)
- Yellow (62%)
- Blue (46%)



- Cyan (0%)
- Magenta (30%)
- Yellow (44%)
- Black (18%)





- Cyan (18%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1272, 35.5674, 21.8898 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 40.1272, 35.5674, 21.8898 by changing the saturation by 10% instead.


 40.1272, 35.5674,
21.8898


 40.1272, 35.5674,
21.8898


337.7846,
327.0658, 274.9049

 27.8224, 24.1003,
13.5784


 74.6403, 68.3638,
47.4636

 18.3316, 15.4080,
7.6926


 97.5793, 90.4619,
65.5632

 11.2894, 9.1062,
3.8140


 124.7937,
116.8725, 87.7625

 6.3306, 4.8105,
1.5239

156.6489,
147.9799, 114.4802

 3.0897, 2.1365,
0.2356

193.5102,
184.1685, 146.1347

 1.2014, 0.6851,
0.0000

235.7430,

 0.1074, 0.0000,

225.8228, 183.1446

0.0000

283.7127,
273.3271, 225.9285

■ 0.0000, 0.0000,
0.0000

■ 40.1272, 35.5674,
21.8898

■ 40.1272, 35.5674,
21.8898

■ 36.9058, 30.9044,
15.3296

■ 43.9159, 40.9205,
30.0104

■ 34.2197, 26.8972,
10.2258

■ 48.2965, 46.9857,
39.7819

■ 32.0372, 23.5162,
6.4651


■ 53.2952, 53.7904,
51.2903


■ 30.3220, 20.7270,
3.9161


■ 58.9357, 61.3592,
64.6151


■ 29.0313, 18.4915,
2.4199

■ 65.2406, 69.7151,
79.8307

 28.4074, 17.3598,
1.8535

 72.2311, 78.8805,
97.0073

 78.2752, 88.2155,
107.5095

 80.3882, 92.4416,
108.2138

Harmonies

Analogous

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



43.2470, 35.5674, 30.5042



40.1272, 35.5674, 21.8898



35.4849, 35.5674, 18.1325

Triad

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



40.1272, 35.5674, 21.8898



25.5259, 35.5674, 34.1853



37.0039, 35.5674, 69.2739

Complementary

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



40.1272, 35.5674, 21.8898



35.8312, 41.9588, 67.1829

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.



32.1804, 35.5674, 70.9267



40.1272, 35.5674, 21.8898



25.8495, 35.5674, 48.3083

Square

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



40.1272, 35.5674, 21.8898



27.2557, 35.5674, 24.0347



28.1857, 35.5674, 62.5329



41.3291, 35.5674, 58.4410

Rectangle

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



40.1272, 35.5674, 21.8898



32.2810, 35.5674, 18.1010



28.1857, 35.5674, 62.5329



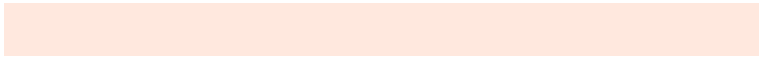
35.3778, 35.5674, 71.0052

Sweetspot

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



40.1281, 35.5691, 21.8905



83.2447, 84.2058, 80.8678



41.5418, 30.0527, 48.0844



17.4259, 17.4937, 16.3957



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.



40.1281, 35.5691, 21.8905



57.3641, 48.0986, 23.9821



48.6103, 52.5335, 24.7179



12.0980, 12.3867, 12.3653



17.4063, 10.7456, 1.1567



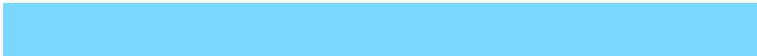
1.0431, 0.7405, 0.0880

Inverse Universe

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



35.8312, 41.9588, 67.1829



49.7862, 59.2248, 103.4153



27.9649, 26.2263, 64.5608



11.8420, 12.7743, 15.0852



13.4653, 15.5771, 39.4895



0.8211, 1.0074, 2.2307

Previews

White Background



This preview shows how the XYZ color 40.1272, 35.5674, 21.8898 looks on a white background.

Color Contrast Check

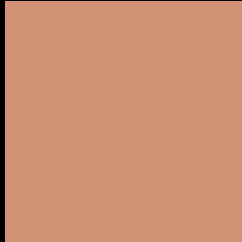
Large Text (above 18pt) WCAG AA × Fail

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 40.1272, 35.5674, 21.8898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

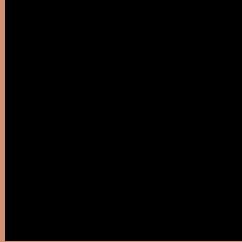
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1272, 35.5674, 21.8898

Background



This preview shows how black text looks on a background with the XYZ color 40.1272, 35.5674, 21.8898.



This preview shows how white text looks on a background with the XYZ color 40.1272, 35.5674,

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

40.1272, 35.5674, 21.8898

Protanopia

33.4598, 35.7411, 24.5372

Deuteranopia

36.1938, 35.4485, 21.4576



Tritanopia

42.6329, 35.4629, 34.3038

Trichromacy



Original Color

40.1272, 35.5674, 21.8898

Protanomaly

35.6510, 35.6212, 23.4089

Deuteranomaly

37.5662, 35.4233, 21.6871

Tritanomaly

41.7075, 35.5354, 29.4717

Monochromacy



Original Color

40.1272, 35.5674, 21.8898

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.6672, 35.4360, 32.1541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1272, 35.5674, 21.8898 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(210, 146, 118)` looks like.

```
.text, #text, p{  
    color:rgb(210, 146, 118)  
}
```

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(210, 146, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 146, 118) }
```

Border

The CSS property to change the border of an element to XYZ 40.1272, 35.5674, 21.8898 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(210, 146, 118) }
```


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

```
.border{ border-color:rgb(210, 146, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 146, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 146, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 146, 118);  
box-shadow:4px 4px 4px 4px rgb(210, 146,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1272, 35.5674, 21.8898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 146, 118) }
```

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

```
.background{ background-color: rgb(210,  
146, 118) }
```

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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