

Converting Colors

XYZ(37.9788, 35.6511, 22.4394)

Have a look what the booklet for
XYZ(37.9788, 35.6511, 22.4394)
contains.

XYZ(37.9496, 35.6072, 22.3255)	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(37.9496, 35.6072,
22.3255)**

Conversions

Conversions Part 1

Format	Color
Hex	C79777
RGB	199, 151, 119
RGB Percent	78%, 59%, 47%
CMY	0.2196, 0.4078, 0.5333
CMYK	0.00, 0.24, 0.40, 0.22
HSL	24°, 42%, 62%
HSV	24°, 40%, 78%
XYZ	37.9496, 35.6072, 22.3255
YIQ	161.7040, 38.8800, 0.2240

Conversions

Conversions Part 2

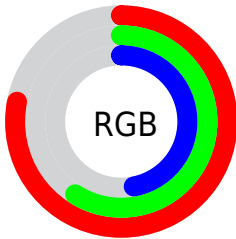
Format	Color
R _Y B	199, 172, 119
Decimal	13080439
CIE Lab	66.22, 13.79, 23.82
CIE LCh	66, 27.524, 59.936
Yxy	35.6072, 0.3958, 0.3714
Android (android.graphics.Color)	4291270519 (0xFFC79777)
YUV	161.7040, -21.0531, 32.7086
Hunter-Lab	59.6718, 9.0955, 19.5876

Details

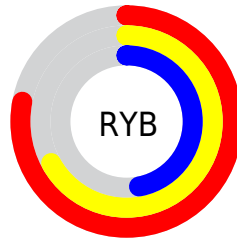
The XYZ color **37.9496, 35.6072, 22.3255** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7349, 35.6818, 59.2476**, and the grayscale version is **34.2875, 36.0731, 39.2836**.

A 20% lighter version of the original color is **70.4220, 67.8629, 47.9153**, and **16.9904, 15.3962, 7.8706** is the 20% darker color. If you saturate the color by 10%, you get **35.0524, 31.5293, 16.0681**, and if you desaturate by 10%, it is **41.2935, 40.1778, 29.9671**.

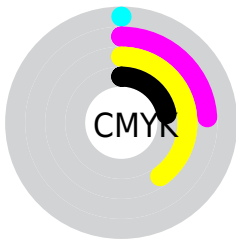
Distribution



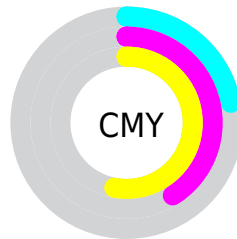
- Red (78%)
- Green (59%)
- Blue (47%)



- Red (78%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (40%)
- Black (22%)





- Cyan (22%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9496, 35.6072, 22.3255 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 37.9496, 35.6072, 22.3255 by changing the saturation by 10% instead.


 37.9496, 35.6072,
22.3255


 37.9496, 35.6072,
22.3255

328.6883,
327.2404, 277.2502

 26.1206, 24.1310,
13.8957


 71.3353, 68.4254,
48.1925

 17.0470, 15.4308,
7.9102


 93.6227, 90.5361,
66.4667

 10.3636, 9.1223,
3.9506


 120.1269,
116.9604, 88.8594

 5.7048, 4.8210,
1.5983

151.2134,
148.0828, 115.7893

 2.7053, 2.1426,
0.2896

187.2474,
184.2876, 147.6747

 0.9999, 0.6884,
0.0000

228.5943,

 0.0000, 0.0000,

225.9592, 184.9343

0.0000

275.6195,
273.4820, 227.9866

■ 37.9496, 35.6072,
22.3255

■ 37.9496, 35.6072,
22.3255

■ 35.0524, 31.5293,
16.0681

■ 41.2935, 40.1778,
29.9671

■ 32.5776, 27.9211,
11.1079

■ 45.1012, 45.2529,
39.0682

■ 30.5027, 24.7654,
7.3513


■ 49.3923, 50.8499,
49.7015


■ 28.8012, 22.0414,
4.6909


■ 54.1843, 56.9841,
61.9338


■ 27.4427, 19.7262,
2.9999


■ 59.4937, 63.6700,
75.8282

 26.3934, 17.8225,
2.0490

 65.3363, 70.9215,
91.4442

 71.1909, 78.5374,
106.0148

 74.7165, 85.5886,
107.1900

 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



41.1472, 35.6072, 28.5571



37.9496, 35.6072, 22.3255



33.8524, 35.6072, 20.2879

Triad

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



37.9496, 35.6072, 22.3255



26.5547, 35.6072, 38.7450



37.9332, 35.6072, 61.8181

Complementary

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



37.9496, 35.6072, 22.3255



31.7349, 35.6818, 59.2476

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.



33.8348, 35.6072, 66.0221



37.9496, 35.6072, 22.3255



27.4598, 35.6072, 51.1673

Square

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



37.9496, 35.6072, 22.3255



27.4674, 35.6072, 28.5215



30.0449, 35.6072, 61.7837



41.1372, 35.6072, 51.2198

Rectangle

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



37.9496, 35.6072, 22.3255



31.2254, 35.6072, 21.1795



30.0449, 35.6072, 61.7837



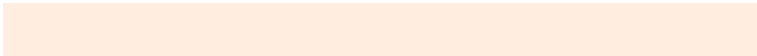
36.6041, 35.6072, 64.1110

Sweetspot

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



37.9505, 35.6089, 22.3262



84.9294, 87.0246, 83.1269



37.1253, 28.1262, 40.0317



17.9595, 18.3426, 17.2460



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.



37.9505, 35.6089, 22.3262



62.0853, 56.2209, 29.6252



45.5140, 50.7358, 24.8474



10.9763, 11.3217, 11.1696



17.0521, 11.6214, 1.3444



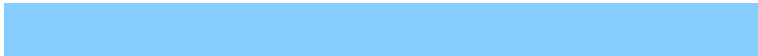
0.8780, 0.6914, 0.0872

Inverse Universe

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



31.7349, 35.6818, 59.2476



49.7393, 56.3330, 102.8595



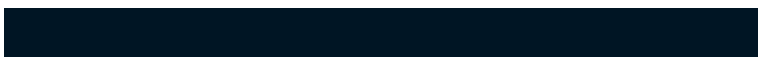
25.5063, 23.2247, 57.1714



10.5770, 11.3280, 13.5466



10.9882, 11.3704, 36.3599



0.5898, 0.6774, 1.7448

Previews

White Background



This preview shows how the XYZ color 37.9496, 35.6072, 22.3255 looks on a white background.

Color Contrast Check

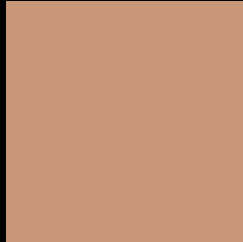
Large Text (above 18pt) WCAG AA × Fail

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 37.9496, 35.6072, 22.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

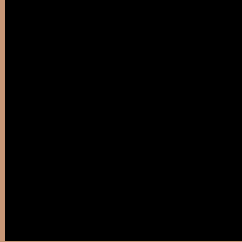
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9496, 35.6072, 22.3255

Background



This preview shows how black text looks on a background with the XYZ color 37.9496, 35.6072, 22.3255.



This preview shows how white text looks on a background with the XYZ color 37.9496, 35.6072,

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

37.9496, 35.6072, 22.3255

Protanopia

33.3333, 35.6905, 23.8710

Deuteranopia

36.4772, 35.8271, 22.1323



Tritanopia

40.9933, 35.6886, 36.6263

Trichromacy



Original Color

37.9496, 35.6072, 22.3255

Protanomaly

34.8612, 35.4642, 23.4202

Deuteranomaly

37.0737, 35.8885, 22.1127

Tritanomaly

39.9050, 35.7195, 30.7779

Monochromacy



Original Color

37.9496, 35.6072, 22.3255

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0944, 35.6430, 32.2242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9496, 35.6072, 22.3255 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(199, 151, 119)` looks like.

```
.text, #text, p{  
    color:rgb(199, 151, 119)  
}
```

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(199, 151, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 151, 119) }
```

Border

The CSS property to change the border of an element to XYZ 37.9496, 35.6072, 22.3255 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(199, 151, 119) }
```


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

```
.border{ border-color:rgb(199, 151, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 151, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 151, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 151, 119); box-shadow:4px 4px 4px 4px rgb(199, 151, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9496, 35.6072, 22.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 151, 119) }
```

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

```
.background{ background-color: rgb(199,  
151, 119) }
```

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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