

Converting Colors

XYZ(45.3421, 39.1421, 21.4060)

Have a look what the booklet for
XYZ(45.3421, 39.1421, 21.4060)
contains.

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Color

**XYZ(45.3649, 39.2192,
21.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	E29673
RGB	226, 150, 115
RGB Percent	89%, 59%, 45%
CMY	0.1137, 0.4117, 0.5490
CMYK	0.00, 0.34, 0.49, 0.11
HSL	19°, 66%, 67%
HSV	19°, 49%, 89%
XYZ	45.3649, 39.2192, 21.3987
YIQ	168.7340, 56.5310, 5.2270

Conversions

Conversions Part 2

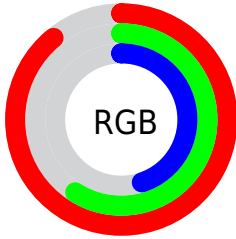
Format	Color
R _Y B	226, 166, 115
Decimal	14849651
CIE Lab	68.91, 24.76, 30.12
CIE LCh	69, 38.986, 50.577
Yxy	39.2192, 0.4280, 0.3701
Android (android.graphics.Color)	4293039731 (0xFFE29673)
YUV	168.7340, -26.4909, 50.2223
Hunter-Lab	62.6252, 19.7089, 23.5786

Details

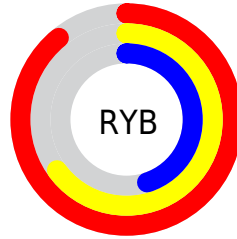
The XYZ color **45.3649, 39.2192, 21.3987** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.4276, 46.3955, 78.8286**, and the grayscale version is **37.6886, 39.6514, 43.1804**.

A 20% lighter version of the original color is **70.0464, 67.7127, 45.9372**, and **21.5937, 17.6419, 7.4214** is the 20% darker color. If you saturate the color by 10%, you get **41.9123, 34.1464, 14.5993**, and if you desaturate by 10%, it is **49.4643, 45.0755, 29.9871**.

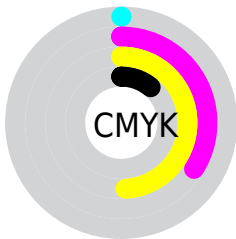
Distribution



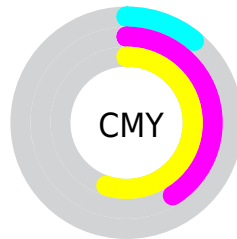
- Red (89%)
- Green (59%)
- Blue (45%)



- Red (89%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (11%)





- Cyan (11%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3649, 39.2192, 21.3987 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 45.3649, 39.2192, 21.3987 by changing the saturation by 10% instead.


 45.3649, 39.2192,
21.3987


 45.3649, 39.2192,
21.3987


359.0083,
342.8215, 272.2401

 31.9474, 26.9303,
13.2217


 82.5014, 73.9731,
46.6395


 21.4767, 17.5209,
7.4489


 106.9512, 97.2068,
64.5404

 13.5873, 10.6066,
3.6617


 135.8091,
124.8576, 86.5196

 7.9140, 5.8029,
1.4416

 169.4405,
157.3099, 112.9958

 4.0913, 2.7256,
0.1739

208.2108,
194.9480, 144.3873

 1.7539, 0.9902,
0.0000

252.4853,

 0.4897, 0.0000,

238.1564, 181.1129

0.0000

302.6293,
287.3195, 223.5910

■ 0.0000, 0.0000,
0.0000

■ 45.3649, 39.2192,
21.3987

■ 45.3649, 39.2192,
21.3987

■ 41.9123, 34.1464,
14.5993

■ 49.4643, 45.0755,
29.9871

■ 39.0672, 29.8164,
9.4576

■ 54.2408, 51.7419,
40.4785

■ 36.7900, 26.1934,
5.8274

■ 59.7264, 59.2510,
52.9800

■ 35.0343, 23.2355,
3.5357

■ 65.9498, 67.6315,
67.5902

■ 33.7340, 20.8913,
2.3119

■ 72.9382, 76.9111,
84.4008

■ 33.6345, 20.7098,
2.2247

■ 80.7174, 87.1159,
103.4984

■ 85.1740, 94.9087,
108.4378

Harmonies

Analogous

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



49.5783, 39.2192, 31.7998



45.3649, 39.2192, 21.3987



39.2613, 39.2192, 17.1147

Triad

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



45.3649, 39.2192, 21.3987



26.7167, 39.2192, 37.3572



41.6221, 39.2192, 83.2678

Complementary

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



45.3649, 39.2192, 21.3987



39.4276, 46.3955, 78.8286

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.



35.3601, 39.2192, 85.9752



45.3649, 39.2192, 21.3987



27.1994, 39.2192, 55.8508

Square

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



45.3649, 39.2192, 21.3987



28.8110, 39.2192, 24.4951



30.2119, 39.2192, 74.8502



47.2567, 39.2192, 68.2390

Rectangle

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



45.3649, 39.2192, 21.3987



35.1326, 39.2192, 17.1796



30.2119, 39.2192, 74.8502



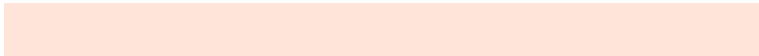
39.5062, 39.2192, 85.7852

Sweetspot

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



45.3659, 39.2211, 21.3995



81.6994, 82.1917, 77.0338



47.0871, 32.2674, 54.0234



17.1245, 17.1027, 15.6422



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.



45.3659, 39.2211, 21.3995



54.9943, 44.7259, 18.9781



56.0040, 60.4974, 24.9455



14.0582, 14.4024, 14.3458



19.2827, 12.0032, 1.3005



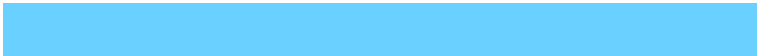
1.4151, 0.9890, 0.1163

Inverse Universe

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



39.4276, 46.3955, 78.8286



46.2703, 55.0906, 102.8026



29.7721, 27.0844, 75.6101



13.7330, 14.8051, 17.5215



14.6037, 16.6770, 43.4976



1.0914, 1.3144, 3.0414

Previews

White Background



This preview shows how the XYZ color 45.3649, 39.2192, 21.3987 looks on a white background.

Color Contrast Check

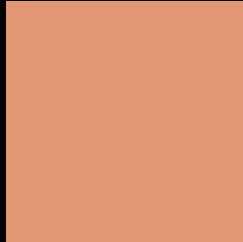
Large Text (above 18pt) WCAG AA × Fail

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 45.3649, 39.2192, 21.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

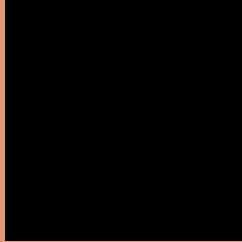
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3649, 39.2192, 21.3987

Background



This preview shows how black text looks on a background with the XYZ color 45.3649, 39.2192, 21.3987.



This preview shows how white text looks on a background with the XYZ color 45.3649, 39.2192,

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

45.3649, 39.2192, 21.3987

Protanopia

36.6338, 39.2591, 24.3858

Deuteranopia

40.0826, 39.2385, 21.0840



Tritanopia

48.3549, 39.2754, 36.0427

Trichromacy



Original Color

45.3649, 39.2192, 21.3987

Protanomaly

39.1610, 38.7161, 23.1783

Deuteranomaly

41.9582, 39.1777, 21.2702

Tritanomaly

47.1623, 39.2549, 29.9022

Monochromacy



Original Color

45.3649, 39.2192, 21.3987

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.5804, 38.9577, 33.8673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3649, 39.2192, 21.3987 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(226, 150, 115)` looks like.

```
.text, #text, p{  
    color:rgb(226, 150, 115)  
}
```

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(226, 150, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 150, 115) }
```

Border

The CSS property to change the border of an element to XYZ 45.3649, 39.2192, 21.3987 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(226, 150, 115) }
```


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

```
.border{ border-color:rgb(226, 150, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 150, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 150, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 150, 115); box-shadow:4px 4px 4px 4px rgb(226, 150, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3649, 39.2192, 21.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 150, 115) }
```

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

```
.background{ background-color: rgb(226,  
150, 115) }
```

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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