

Converting Colors

XYZ(47.8131, 42.1391, 22.1375)

Have a look what the booklet for
XYZ(47.8131, 42.1391, 22.1375)
contains.

XYZ(47.8425, 42.1979, 22.1464)	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(47.8425, 42.1979,
22.1464)**

Conversions

Conversions Part 1

Format	Color
Hex	E69D74
RGB	230, 157, 116
RGB Percent	90%, 62%, 45%
CMY	0.0980, 0.3843, 0.5451
CMYK	0.00, 0.32, 0.50, 0.10
HSL	22°, 70%, 68%
HSV	22°, 50%, 90%
XYZ	47.8425, 42.1979, 22.1464
YIQ	174.1530, 56.6690, 2.7250

Conversions

Conversions Part 2

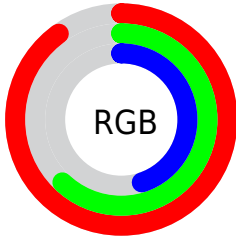
Format	Color
RYB	230, 180, 116
Decimal	15113588
CIELab	71.01, 22.71, 32.39
CIELCh	71, 39.558, 54.972
Yxy	42.1979, 0.4265, 0.3761
Android (android.graphics.Color)	4293303668 (0xFFE69D74)
YUV	174.1530, -28.6694, 48.9778
Hunter-Lab	64.9599, 17.7841, 25.2585

Details

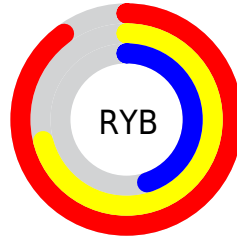
The XYZ color **47.8425, 42.1979, 22.1464** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.6821, 45.8193, 81.6153**, and the grayscale version is **40.4341, 42.5398, 46.3258**.

A 20% lighter version of the original color is **71.8514, 71.1741, 46.9968**, and **22.8593, 19.1663, 7.8048** is the 20% darker color. If you saturate the color by 10%, you get **44.3235, 37.0425, 15.1701**, and if you desaturate by 10%, it is **51.9951, 48.0907, 30.9686**.

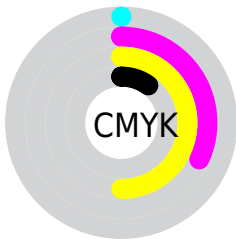
Distribution



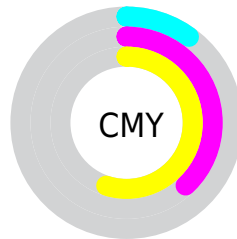
- Red (90%)
- Green (62%)
- Blue (45%)



- Red (90%)
- Yellow (71%)
- Blue (45%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (10%)





- Cyan (10%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8425, 42.1979, 22.1464 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 47.8425, 42.1979, 22.1464 by changing the saturation by 10% instead.


 47.8425, 42.1979,
22.1464


 47.8425, 42.1979,
22.1464


368.7605,
355.3027, 276.2883

 33.9129, 29.2563,
13.7652


 86.1810, 78.4991,
47.8931

 22.9893, 19.2748,
7.8206

 111.3206,
102.6274, 66.0957

 14.7062, 11.8690,
3.8943


 140.9275,
131.2534, 88.4092

 8.6984, 6.6545,
1.5675

175.3672,
164.7615, 115.2520

 4.6005, 3.2470,
0.2675

215.0050,
203.5361, 147.0428

 2.0472, 1.2620,
0.0000

260.2063,

 0.6603, 0.1115,

247.9615, 184.2001

0.0000

311.3363,
298.4223, 227.1424

■ 0.0000, 0.0000,
0.0000

■ 47.8425, 42.1979,
22.1464

■ 47.8425, 42.1979,
22.1464

■ 44.3235, 37.0425,
15.1701

■ 51.9951, 48.0907,
30.9686

■ 41.3995, 32.5870,
9.9025

■ 56.8108, 54.7436,
41.7554

■ 39.0318, 28.7995,
6.1911


■ 62.3204, 62.1864,
54.6182


■ 37.1748, 25.6427,
3.8544


■ 68.5522, 70.4448,
69.6595

■ 35.7603, 23.0686,
2.5967

■ 75.5326, 79.5436,
86.9747

 35.7057, 22.9682,
2.5514

 83.2865, 89.5065,
106.6538

 86.4430, 95.5630,
108.4972

Harmonies

Analogous

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



52.7482, 42.1979, 32.2459



47.8425, 42.1979, 22.1464



41.2304, 42.1979, 18.4166

Triad

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



47.8425, 42.1979, 22.1464



28.7468, 42.1979, 42.8339



45.7082, 42.1979, 87.4007

Complementary

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



47.8425, 42.1979, 22.1464



39.6821, 45.8193, 81.6153

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.



39.0058, 42.1979, 92.4989



47.8425, 42.1979, 22.1464



29.6677, 42.1979, 63.0636

Square

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



47.8425, 42.1979, 22.1464



30.5867, 42.1979, 28.0819



33.2553, 42.1979, 82.6009



51.4243, 42.1979, 70.1263

Rectangle

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



47.8425, 42.1979, 22.1464



36.9175, 42.1979, 19.0178



33.2553, 42.1979, 82.6009



43.4769, 42.1979, 90.7654

Sweetspot

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



47.8435, 42.2000, 22.1472



82.1704, 83.1338, 77.1909



48.1838, 33.0362, 52.6098



17.2372, 17.3280, 15.6798



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.



47.8435, 42.2000, 22.1472



56.1076, 46.9524, 19.3492



59.5546, 65.6221, 26.0509



14.7992, 15.2122, 15.0607



20.3201, 13.2143, 1.4796



1.5872, 1.1477, 0.1379

Inverse Universe

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



39.6821, 45.8193, 81.6153



44.6825, 51.9152, 102.2734



29.8869, 26.2290, 78.3502



14.3486, 15.4186, 18.3642



14.1367, 15.3356, 44.5981



1.1319, 1.3077, 3.3247

Previews

White Background



This preview shows how the XYZ color 47.8425, 42.1979, 22.1464 looks on a white background.

Color Contrast Check

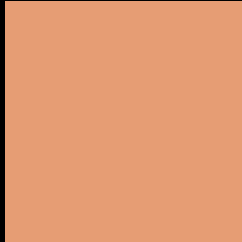
Large Text (above 18pt) WCAG AA × Fail

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 47.8425, 42.1979, 22.1464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

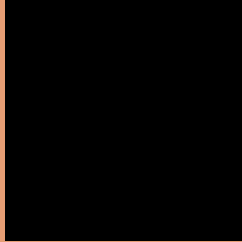
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8425, 42.1979, 22.1464

Background



This preview shows how black text looks on a background with the XYZ color 47.8425, 42.1979, 22.1464.



This preview shows how white text looks on a background with the XYZ color 47.8425, 42.1979,

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

47.8425, 42.1979, 22.1464

Protanopia

39.4502, 42.3935, 24.8424

Deuteranopia

43.1505, 42.4076, 21.8308



Tritanopia

51.5199, 42.2343, 39.6191

Trichromacy



Original Color

47.8425, 42.1979, 22.1464

Protanomaly

42.0214, 42.0578, 23.6725

Deuteranomaly

44.8070, 42.1839, 22.0004

Tritanomaly

50.1063, 42.1504, 32.2830

Monochromacy



Original Color

47.8425, 42.1979, 22.1464

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.0005, 41.7745, 35.9866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8425, 42.1979, 22.1464 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(230, 157, 116)` looks like.

```
.text, #text, p{  
    color:rgb(230, 157, 116)  
}
```

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(230, 157, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 157, 116) }
```

Border

The CSS property to change the border of an element to XYZ 47.8425, 42.1979, 22.1464 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(230, 157, 116) }
```


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

```
.border{ border-color:rgb(230, 157, 116) }
```

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

Here you see how a box with a 4 pixel rgb(230, 157, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 157, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 157, 116);  
box-shadow:4px 4px 4px 4px rgb(230, 157,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8425, 42.1979, 22.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 157, 116) }
```

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

```
.background{ background-color: rgb(230,  
157, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor