

Converting Colors

XYZ(12.8464, 22.4236, 3.9367)

Have a look what the booklet for
XYZ(12.8464, 22.4236, 3.9367)
contains.

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Color

**XYZ(12.7590, 22.2917,
3.9174)**

Conversions

Conversions Part 1

Format	Color
Hex	40940A
RGB	64, 148, 10
RGB Percent	25%, 58%, 4%
CMY	0.7490, 0.4196, 0.9607
CMYK	0.57, 0.00, 0.93, 0.42
HSL	97°, 87%, 31%
HSV	97°, 93%, 58%
XYZ	12.7590, 22.2917, 3.9174
YIQ	107.1520, -5.7660, -60.7260

Conversions

Conversions Part 2

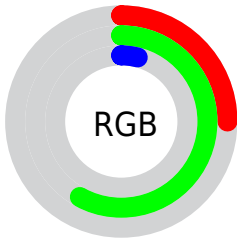
Format	Color
RYB	10, 148, 94
Decimal	4232202
CIELab	54.34, -47.16, 55.24
CIELCh	54, 72.632, 130.484
Yxy	22.2917, 0.3274, 0.5720
Android (android.graphics.Color)	4282422282 (0xFF40940A)
YUV	107.1520, -47.8959, -37.8443
Hunter-Lab	47.2141, -34.3873, 28.1305

Details

The XYZ color **12.7590, 22.2917, 3.9174** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.0718, 4.7360, 28.4015**, and the grayscale version is **14.1481, 14.8849, 16.2097**.

A 20% lighter version of the original color is **30.4437, 47.2579, 13.8205**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **12.3298, 22.0774, 3.6115**, and if you desaturate by 10%, it is **13.5121, 22.6669, 4.5721**.

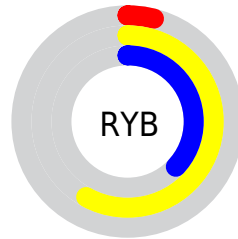
Distribution



Red (25%)

Green (58%)

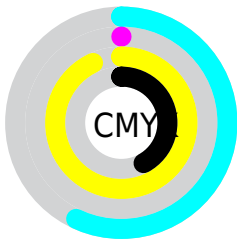
Blue (4%)



Red (4%)

Yellow (58%)

Blue (37%)

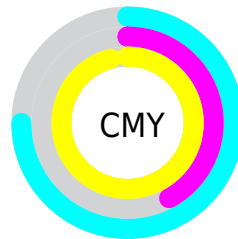


Cyan (57%)

Magenta (0%)

Yellow (93%)

Black (42%)



Cyan (75%)


Magenta (42%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7590, 22.2917, 3.9174 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 12.7590, 22.2917, 3.9174 by changing the saturation by 10% instead.


 12.7590, 22.2917,
3.9174


 12.7590, 22.2917,
3.9174


203.0363,
264.0658, 147.3028


 7.3387, 14.0714,
1.5801


 30.4751, 47.2276,
13.8188


 3.7230, 8.1703,
0.2766


 43.5017, 64.7121,
22.2200

 1.5466, 4.2041,
0.0000

 59.7943, 86.0533,
33.4797

 0.3572, 1.7884,
0.0000

 79.7183, 111.6358,
48.0162


 0.0000, 0.4799,
0.0000


 103.6392,
141.8439, 66.2483


 0.0000, 0.0000,
0.0000


 131.9223,


177.0620, 88.5944


 164.9328,
217.6745, 115.4730


 12.7590, 22.2917,
3.9174


 12.7590, 22.2917,
3.9174


 12.3298, 22.0774,
3.6115

 13.5121, 22.6669,
4.5721

 14.4481, 23.1260,
5.6753

 15.5831, 23.6766,
7.2897

 16.9309, 24.3246,
9.4676

 18.5037, 25.0753,
12.2548

■ 20.3127, 25.9336,
15.6926

■ 22.3682, 26.9041,
19.8185

■ 24.6799, 27.9909,
24.6671

■ 27.2570, 29.1981,
30.2708

Harmonies

Analogous

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



18.5356, 22.2917, 1.6859



12.7590, 22.2917, 3.9174



9.8316, 22.2917, 12.4233

Triad

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



12.7590, 22.2917, 3.9174



16.4967, 22.2917, 92.9508



39.9658, 22.2917, 17.1694

Complementary

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



12.7590, 22.2917, 3.9174



10.0718, 4.7360, 28.4015

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.



39.0258, 22.2917, 41.9506



12.7590, 22.2917, 3.9174



24.0811, 22.2917, 97.3696

Square

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



12.7590, 22.2917, 3.9174



11.5877, 22.2917, 65.0238



32.6918, 22.2917, 74.8474



35.0084, 22.2917, 5.5404

Rectangle

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



12.7590, 22.2917, 3.9174



9.3168, 22.2917, 24.6424



32.6918, 22.2917, 74.8474



40.3544, 22.2917, 23.9051

Sweetspot

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



12.7595, 22.2926, 3.9179



37.4801, 46.5323, 30.9373



16.1655, 14.1128, 2.1595



8.2375, 10.4719, 6.4307



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7595, 22.2926, 3.9179



21.5733, 38.8595, 6.3636



10.8786, 21.3105, 4.3938



5.9314, 6.5725, 6.1965



10.5601, 18.8718, 3.0860



0.1607, 0.2472, 0.0392

Inverse Universe

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



10.0718, 4.7360, 28.4015



16.6906, 7.5148, 50.0054



16.6393, 8.2404, 23.3424



5.8178, 5.7971, 7.2821



8.2064, 3.7031, 24.2133



0.1336, 0.0624, 0.2979

Previews

White Background



This preview shows how the XYZ color 12.7590, 22.2917, 3.9174 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7590, 22.2917, 3.9174 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 × Fail

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

XYZ 12.7590, 22.2917, 3.9174

Background



This preview shows how black text looks on a background with the XYZ color 12.7590, 22.2917, 3.9174.



This preview shows how white text looks on a background with the XYZ color 12.7590, 22.2917,

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

12.7590, 22.2917, 3.9174

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.2440, 21.9516, 4.4312



Tritanopia

18.3510, 22.3253, 31.7758

Trichromacy



Original Color

12.7590, 22.2917, 3.9174

Protanomaly

16.1700, 21.6131, 3.4344

Deuteranomaly

17.0203, 21.0041, 4.0213

Tritanomaly

15.0195, 21.8475, 14.9807

Monochromacy



Original Color

12.7590, 22.2917, 3.9174

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.4436, 16.6111, 8.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7590, 22.2917, 3.9174 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(64, 148, 10)` looks like.

```
.text, #text, p{  
    color:rgb(64, 148, 10)  
}
```

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(64, 148, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 148, 10) }
```

Border

The CSS property to change the border of an element to XYZ 12.7590, 22.2917, 3.9174 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(64, 148, 10) }
```


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

```
.border{ border-color:rgb(64, 148, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 148, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 148, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 148, 10);  
box-shadow:4px 4px 4px 4px rgb(64, 148,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7590, 22.2917, 3.9174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 148, 10) }
```

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

```
.background{ background-color: rgb(64, 148,  
10) }
```

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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