

Converting Colors

XYZ(13.0292, 21.7276, 13.1063)

Have a look what the booklet for
XYZ(13.0292, 21.7276, 13.1063)
contains.

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Color

**XYZ(13.0792, 21.7882,
13.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	2A925A
RGB	42, 146, 90
RGB Percent	16%, 57%, 35%
CMY	0.8353, 0.4274, 0.6471
CMYK	0.71, 0.00, 0.38, 0.43
HSL	148°, 55%, 37%
HSV	148°, 71%, 57%
XYZ	13.0792, 21.7882, 13.1891
YIQ	108.5200, -44.0080, -39.4640

Conversions

Conversions Part 2

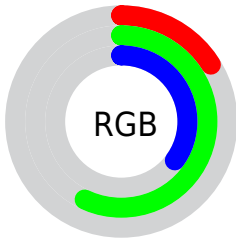
Format	Color
RYB	42, 113, 146
Decimal	2789978
CIELab	53.80, -42.73, 21.39
CIELCh	54, 47.786, 153.409
Yxy	21.7882, 0.2722, 0.4534
Android (android.graphics.Color)	4280980058 (0xFF2A925A)
YUV	108.5200, -9.1304, -58.3380
Hunter-Lab	46.6778, -31.6702, 15.9217

Details

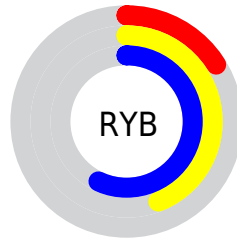
The XYZ color **13.0792, 21.7882, 13.1891** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.8873, 8.6492, 12.4408**, and the grayscale version is **14.4344, 15.1861, 16.5377**.

A 20% lighter version of the original color is **31.1739, 46.5212, 32.5358**, and **4.4387, 8.1798, 3.6304** is the 20% darker color. If you saturate the color by 10%, you get **12.2703, 21.4084, 11.4961**, and if you desaturate by 10%, it is **14.1422, 22.2961, 15.0797**.

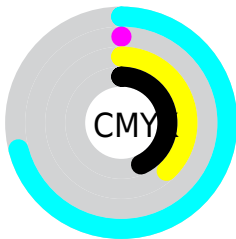
Distribution



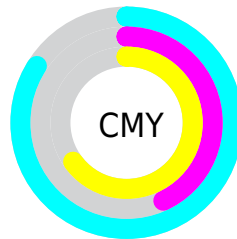
- Red (16%)
- Green (57%)
- Blue (35%)



- Red (16%)
- Yellow (44%)
- Blue (57%)



- Cyan (71%)
- Magenta (0%)
- Yellow (38%)
- Black (43%)



- Cyan (84%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0792, 21.7882, 13.1891 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 13.0792, 21.7882, 13.1891 by changing the saturation by 10% instead.

■ 13.0792, 21.7882,
13.1891

■ 13.0792, 21.7882,
13.1891

205.0520,
261.4382, 223.3763

■ 7.5605, 13.7014,
7.4266

■ 31.0461, 46.3957,
32.3392

■ 3.8644, 7.9132,
3.6479

■ 44.2250, 63.6851,
46.5640

■ 1.6257, 4.0395,
1.4342

■ 60.6880, 84.8109,
64.4466

■ 0.4091, 1.6957,
0.1682

■ 80.8005, 110.1573,
86.4056

■ 0.0000, 0.4209,
0.0000

■ 104.9277,
140.1089, 112.8595

■ 0.0000, 0.0000,
0.0000

■ 133.4352,

175.0500, 144.2269

166.6881,
215.3649, 180.9263

■ 13.0792, 21.7882,
13.1891

■ 13.0792, 21.7882,
13.1891

■ 12.2703, 21.4084,
11.4961

■ 14.1422, 22.2961,
15.0797

■ 11.6878, 21.1408,
9.9924

■ 15.4800, 22.9407,
17.1730

■ 11.3040, 20.9685,
8.8225

■ 17.1127, 23.7332,
19.4757

■ 19.0583, 24.6825,
21.9935

■ 21.3331, 25.7969,
24.7322

■ 23.9523, 27.0842,
27.6971

■ 26.9300, 28.5516,
30.8935

■ 30.2797, 30.2060,
34.3263

■ 34.0141, 32.0537,
38.0005

Harmonies

Analogous

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



15.7372, 21.7882, 7.0887



13.0792, 21.7882, 13.1891



12.3382, 21.7882, 25.4439

Triad

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



13.0792, 21.7882, 13.1891



21.3013, 21.7882, 64.5919



30.0864, 21.7882, 11.3176

Complementary

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



13.0792, 21.7882, 13.1891



14.8873, 8.6492, 12.4408

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.



32.2032, 21.7882, 22.0827



13.0792, 21.7882, 13.1891



26.6311, 21.7882, 55.9968

Square

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



13.0792, 21.7882, 13.1891



16.5987, 21.7882, 59.0287



30.8453, 21.7882, 38.7548



25.4474, 21.7882, 6.3639

Rectangle

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



13.0792, 21.7882, 13.1891



12.9095, 21.7882, 36.8151



30.8453, 21.7882, 38.7548



31.1483, 21.7882, 14.1744

Sweetspot

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



13.0798, 21.7891, 13.1896



37.5495, 45.4661, 43.5318



15.8650, 23.3898, 5.8692



8.1247, 10.0023, 9.4152



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.0798, 21.7891, 13.1896



21.0352, 37.4834, 18.7834



16.0273, 22.9681, 28.7109



5.8343, 6.5103, 6.7382



9.9582, 18.4561, 7.8216



0.1365, 0.2317, 0.1727

Inverse Universe

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



14.8873, 8.6492, 12.4408



24.4101, 12.8558, 17.3159



13.1997, 7.9742, 3.5542



5.9235, 5.8645, 6.7034



11.6726, 5.8741, 7.0231



0.1578, 0.0779, 0.1644

Previews

White Background



This preview shows how the XYZ color 13.0792, 21.7882, 13.1891 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 13.0792, 21.7882, 13.1891 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 13.0792, 21.7882, 13.1891

Background



This preview shows how black text looks on a background with the XYZ color 13.0792, 21.7882, 13.1891.



This preview shows how white text looks on a background with the XYZ color 13.0792, 21.7882,

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

13.0792, 21.7882, 13.1891

Protanopia

19.9280, 21.5518, 11.2932

Deuteranopia

21.7876, 21.3246, 13.7942



Tritanopia

16.9176, 21.7911, 32.1686

Trichromacy



Original Color

13.0792, 21.7882, 13.1891

Protanomaly

16.0526, 20.9429, 12.0004

Deuteranomaly

16.6476, 20.4024, 13.4166

Tritanomaly

15.2566, 21.7744, 23.8208

Monochromacy



Original Color

13.0792, 21.7882, 13.1891

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.1041, 16.8097, 15.1243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0792, 21.7882, 13.1891 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(42, 146, 90)` looks like.

```
.text, #text, p{  
    color:rgb(42, 146, 90)  
}
```

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(42, 146, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 146, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.0792, 21.7882, 13.1891 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(42, 146, 90) }
```


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

```
.border{ border-color:rgb(42, 146, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 146, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 146, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 146, 90);  
box-shadow:4px 4px 4px 4px rgb(42, 146,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0792, 21.7882, 13.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 146, 90) }
```

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

```
.background{ background-color: rgb(42, 146,  
90) }
```

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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