

Converting Colors

XYZ(14.0065, 21.5463, 18.8460)

Have a look what the booklet for
XYZ(14.0065, 21.5463, 18.8460)
contains.

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Color

**XYZ(13.9194, 21.4191,
18.7299)**

Conversions

Conversions Part 1

Format	Color
Hex	2F8F70
RGB	47, 143, 112
RGB Percent	18%, 56%, 44%
CMY	0.8157, 0.4392, 0.5608
CMYK	0.67, 0.00, 0.22, 0.44
HSL	161°, 51%, 37%
HSV	161°, 67%, 56%
XYZ	13.9194, 21.4191, 18.7299
YIQ	110.7620, -47.2650, -29.9930

Conversions

Conversions Part 2

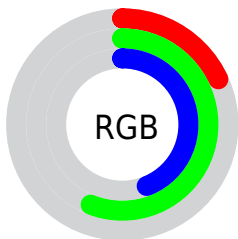
Format	Color
RYB	47, 104, 143
Decimal	3116912
CIELab	53.41, -35.61, 8.43
CIElCh	53, 36.595, 166.675
Yxy	21.4191, 0.2574, 0.3961
Android (android.graphics.Color)	4281306992 (0xFF2F8F70)
YUV	110.7620, 0.6103, -55.9193
Hunter-Lab	46.2808, -27.3057, 8.4018

Details

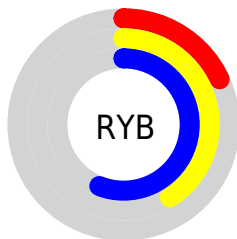
The XYZ color **13.9194, 21.4191, 18.7299** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.7201, 8.4233, 8.1114**, and the grayscale version is **15.0492, 15.8329, 17.2420**.

A 20% lighter version of the original color is **32.4928, 45.6161, 42.2142**, and **4.7526, 8.0245, 6.1489** is the 20% darker color. If you saturate the color by 10%, you get **13.1146, 21.0337, 17.3846**, and if you desaturate by 10%, it is **14.9546, 21.9228, 20.1558**.

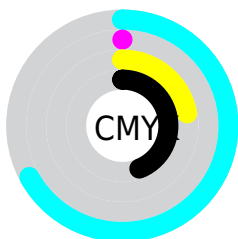
Distribution



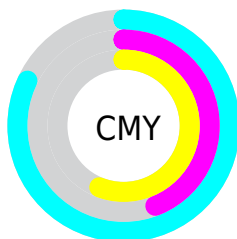
- Red (18%)
- Green (56%)
- Blue (44%)



- Red (18%)
- Yellow (41%)
- Blue (56%)



- Cyan (67%)
- Magenta (0%)
- Yellow (22%)
- Black (44%)



- Cyan (82%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9194, 21.4191, 18.7299 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 13.9194, 21.4191, 18.7299 by changing the saturation by 10% instead.

■ 13.9194, 21.4191,
18.7299

■ 13.9194, 21.4191,
18.7299

210.2495,
259.4975, 257.3264

■ 8.1460, 13.4307,
11.3004

■ 32.5334, 45.7840,
42.1078

■ 4.2411, 7.7258,
6.1526

■ 46.1047, 62.9293,
58.8933

■ 1.8394, 3.9200,
2.8678

■ 63.0059, 83.8956,
79.6346

■ 0.5412, 1.6289,
1.0275

■ 83.6025, 109.0675,
104.7502

■ 0.0000, 0.3770,
0.0000

■ 108.2598,
138.8292, 134.6586

■ 0.0000, 0.0000,
0.0000

■ 137.3432,

173.5652, 169.7784

171.2180,
213.6598, 210.5282

■ 13.9194, 21.4191,
18.7299

■ 13.9194, 21.4191,
18.7299

■ 13.1146, 21.0337,
17.3846

■ 14.9546, 21.9228,
20.1558

■ 12.5163, 20.7527,
16.1163

■ 16.2377, 22.5523,
21.6628

■ 12.0857, 20.5567,
14.9226

■ 17.7866, 23.3171,
23.2530

■ 11.9722, 20.5054,
14.5928

■ 19.6167, 24.2254,
24.9281

■ 21.7424, 25.2845,
26.6899

■ 24.1772, 26.5012,
28.5397

■ 26.9335, 27.8821,
30.4792

■ 30.0231, 29.4331,
32.5097

■ 33.4573, 31.1601,
34.6327

Harmonies

Analogous

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



15.3926, 21.4191, 11.5060



13.9194, 21.4191, 18.7299



14.0073, 21.4191, 30.0158

Triad

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



13.9194, 21.4191, 18.7299



22.5781, 21.4191, 50.4090



25.9266, 21.4191, 10.9626

Complementary

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



13.9194, 21.4191, 18.7299



13.7201, 8.4233, 8.1114

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.



28.3864, 21.4191, 17.7052



13.9194, 21.4191, 18.7299



26.2911, 21.4191, 41.2983

Square

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



13.9194, 21.4191, 18.7299



18.6844, 21.4191, 50.9522



28.5277, 21.4191, 28.6087



22.1291, 21.4191, 8.0826

Rectangle

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



13.9194, 21.4191, 18.7299



14.9349, 21.4191, 38.5776



28.5277, 21.4191, 28.6087



26.9573, 21.4191, 12.7344

Sweetspot

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



13.9200, 21.4199, 18.7304



37.6227, 44.6240, 46.7398



13.5607, 21.5133, 6.1275



8.4064, 10.1230, 10.5357



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.



13.9200, 21.4199, 18.7304



22.8445, 37.3642, 29.8473



13.7203, 17.7671, 28.6938



5.4872, 6.0871, 6.5313



10.5951, 18.1339, 12.9540



0.1114, 0.1774, 0.1771

Inverse Universe

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



13.7201, 8.4233, 8.1114



22.5007, 12.3228, 9.5926



13.6190, 9.6005, 3.8250



5.4762, 5.4510, 6.0057



10.4638, 5.3425, 2.8277



0.1093, 0.0548, 0.0758

Previews

White Background



This preview shows how the XYZ color 13.9194, 21.4191, 18.7299 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 13.9194, 21.4191, 18.7299 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 13.9194, 21.4191, 18.7299

Background



This preview shows how black text looks on a background with the XYZ color 13.9194, 21.4191, 18.7299.



This preview shows how white text looks on a background with the XYZ color 13.9194, 21.4191,

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

13.9194, 21.4191, 18.7299

Protanopia

19.7911, 20.9895, 16.1050

Deuteranopia

21.4981, 21.0431, 19.7583



Tritanopia

16.4999, 21.3710, 31.6892

Trichromacy



Original Color

13.9194, 21.4191, 18.7299

Protanomaly

16.3846, 20.3888, 16.9818

Deuteranomaly

17.2615, 20.3912, 19.2458

Tritanomaly

15.5094, 21.4036, 26.6064

Monochromacy



Original Color

13.9194, 21.4191, 18.7299

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.9767, 17.3883, 17.6586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9194, 21.4191, 18.7299 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(47, 143, 112)` looks like.

```
.text, #text, p{  
    color:rgb(47, 143, 112)  
}
```

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(47, 143, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 143, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.9194, 21.4191, 18.7299 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(47, 143, 112) }
```


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

```
.border{ border-color:rgb(47, 143, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 143, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 143, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 143, 112);  
box-shadow:4px 4px 4px 4px rgb(47, 143,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9194, 21.4191, 18.7299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 143, 112) }
```

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

```
.background{ background-color: rgb(47, 143,  
112) }
```

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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