

Converting Colors

XYZ(14.1844, 19.7651, 4.0818)

Have a look what the booklet for
XYZ(14.1844, 19.7651, 4.0818)
contains.

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Color

**XYZ(14.1789, 19.7378,
4.0994)**

Conversions

Conversions Part 1

Format	Color
Hex	67851B
RGB	103, 133, 27
RGB Percent	40%, 52%, 11%
CMY	0.5961, 0.4784, 0.8941
CMYK	0.23, 0.00, 0.80, 0.48
HSL	77°, 66%, 31%
HSV	77°, 80%, 52%
XYZ	14.1789, 19.7378, 4.0994
YIQ	111.9460, 16.1460, -39.3260

Conversions

Conversions Part 2

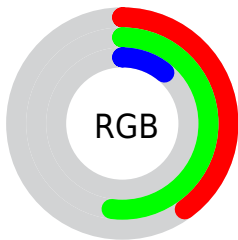
Format	Color
R _Y B	27, 133, 57
Decimal	6784283
CIE Lab	51.54, -25.94, 49.42
CIE LCh	52, 55.810, 117.697
Yxy	19.7378, 0.3730, 0.5192
Android (android.graphics.Color)	4284974363 (0xFF67851B)
YUV	111.9460, -41.8784, -7.8456
Hunter-Lab	44.4272, -20.7796, 25.6283

Details

The XYZ color **14.1789, 19.7378, 4.0994** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.3137, 3.3477, 22.5049**, and the grayscale version is **15.5015, 16.3088, 17.7603**.

A 20% lighter version of the original color is **32.9115, 42.8651, 14.1286**, and **4.4585, 6.8903, 1.0950** is the 20% darker color. If you saturate the color by 10%, you get **13.6366, 19.4728, 3.4449**, and if you desaturate by 10%, it is **14.8113, 20.0425, 5.1228**.

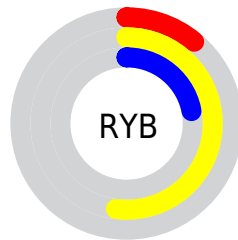
Distribution



Red (40%)

Green (52%)

Blue (11%)



Red (11%)

Yellow (52%)

Blue (22%)

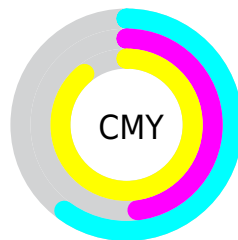


Cyan (23%)

Magenta (0%)

Yellow (80%)

Black (48%)



Cyan (60%)

Magenta (48%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1789, 19.7378, 4.0994 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 14.1789, 19.7378, 4.0994 by changing the saturation by 10% instead.

■ 14.1789, 19.7378,
4.0994

■ 14.1789, 19.7378,
4.0994

211.8294,
250.4921, 149.3239

■ 8.3277, 12.2046,
1.6800

■ 32.9897, 42.9771,
14.2384

■ 4.3589, 6.8832,
0.3470

■ 46.6801, 59.4521,
22.7950

■ 1.9071, 3.3891,
0.0000

■ 63.7143, 79.6764,
34.2346

■ 0.5810, 1.3381,
0.0000

■ 84.4576, 104.0344,
48.9755

■ 0.0000, 0.1704,
0.0000

■ 109.2754,
132.9106, 67.4363

■ 0.0000, 0.0000,
0.0000

■ 138.5331,

166.6894, 90.0357

172.5959,
205.7551, 117.1920

14.1789, 19.7378,
4.0994

14.1789, 19.7378,
4.0994

13.6366, 19.4728,
3.4449

14.8113, 20.0425,
5.1228

13.1585, 19.2350,
3.0308

15.5411, 20.3877,
6.5578

13.1443, 19.2280,
3.0186

16.3760, 20.7773,
8.4427

17.3228, 21.2139,
10.8111

18.3874, 21.7000,
13.6933

■ 19.5753, 22.2378,
17.1173

■ 20.8917, 22.8295,
21.1089

■ 22.3413, 23.4769,
25.6922

■ 23.9288, 24.1819,
30.8901

Harmonies

Analogous

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



19.1971, 19.7378, 3.0413



14.1789, 19.7378, 4.0994



11.0385, 19.7378, 8.8463

Triad

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



14.1789, 19.7378, 4.0994



13.5648, 19.7378, 59.6178



31.7379, 19.7378, 22.7570

Complementary

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



14.1789, 19.7378, 4.0994



6.3137, 3.3477, 22.5049

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.



29.4373, 19.7378, 42.5946



14.1789, 19.7378, 4.0994



18.3299, 19.7378, 69.5122

Square

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



14.1789, 19.7378, 4.0994



10.7368, 19.7378, 39.2902



24.2352, 19.7378, 62.1033



30.0267, 19.7378, 10.0907

Rectangle

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



14.1789, 19.7378, 4.0994



10.0698, 19.7378, 15.5563



24.2352, 19.7378, 62.1033



31.3996, 19.7378, 28.7708

Sweetspot

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



14.1794, 19.7387, 4.0998



33.9937, 39.3425, 27.5546



11.2504, 7.8242, 1.9545



7.5145, 8.7982, 5.7961



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.1794, 19.7387, 4.0998



23.7041, 34.5130, 5.6115



9.9886, 17.5783, 3.9037



4.9147, 5.3586, 5.0046



12.5276, 18.3182, 2.8755



0.0506, 0.0672, 0.0103

Inverse Universe

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



6.3137, 3.3477, 22.5049



9.1812, 3.9690, 40.0206



10.8432, 5.6828, 22.7169



4.5492, 4.6037, 5.8496



4.7888, 2.0029, 21.2709



0.0230, 0.0102, 0.0740

Previews

White Background



This preview shows how the XYZ color 14.1789, 19.7378, 4.0994 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 14.1789, 19.7378, 4.0994 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 14.1789, 19.7378, 4.0994

Background



This preview shows how black text looks on a background with the XYZ color 14.1789, 19.7378, 4.0994.



This preview shows how white text looks on a background with the XYZ color 14.1789, 19.7378,

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

14.1789, 19.7378, 4.0994

Protanopia

17.7291, 19.6351, 3.7197

Deuteranopia

19.8752, 19.4822, 4.3030



Tritanopia

18.4502, 19.7139, 25.3870

Trichromacy



Original Color

14.1789, 19.7378, 4.0994

Protanomaly

16.2223, 19.6089, 3.8496

Deuteranomaly

17.2119, 19.1742, 4.1603

Tritanomaly

16.0853, 19.3200, 13.7078

Monochromacy



Original Color

14.1789, 19.7378, 4.0994

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.5083, 17.2782, 10.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1789, 19.7378, 4.0994 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(103, 133, 27)` looks like.

```
.text, #text, p{  
    color:rgb(103, 133, 27)  
}
```

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(103, 133, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 133, 27) }
```

Border

The CSS property to change the border of an element to XYZ 14.1789, 19.7378, 4.0994 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(103, 133, 27) }
```


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

```
.border{ border-color:rgb(103, 133, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 133, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 133, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 133, 27);  
box-shadow:4px 4px 4px 4px rgb(103, 133,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1789, 19.7378, 4.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 133, 27) }
```

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

```
.background{ background-color: rgb(103,  
133, 27) }
```

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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