

Converting Colors

XYZ(15.0398, 20.6317, 3.8642)

Have a look what the booklet for
XYZ(15.0398, 20.6317, 3.8642)
contains.

XYZ(14.9746, 20.5666, 3.8423)	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(14.9746, 20.5666,
3.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	6C8714
RGB	108, 135, 20
RGB Percent	42%, 53%, 8%
CMY	0.5765, 0.4706, 0.9215
CMYK	0.20, 0.00, 0.85, 0.47
HSL	74°, 74%, 30%
HSV	74°, 85%, 53%
XYZ	14.9746, 20.5666, 3.8423
YIQ	113.8170, 20.8230, -41.4890

Conversions

Conversions Part 2

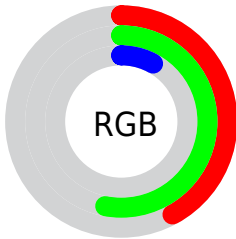
Format	Color
R_{YB}	20, 135, 47
Decimal	7112468
CIE _{Lab}	52.47, -25.09, 52.45
CIE _{LCh}	52, 58.146, 115.561
Yxy	20.5666, 0.3802, 0.5222
Android (android.graphics.Color)	4285302548 (0xFF6C8714)
YUV	113.8170, -46.2518, -5.1015
Hunter-Lab	45.3504, -20.4229, 26.7220

Details

The XYZ color **14.9746, 20.5666, 3.8423** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.7964, 2.8544, 23.1683**, and the grayscale version is **16.0698, 16.9067, 18.4114**.

A 20% lighter version of the original color is **34.3920, 44.2748, 13.5707**, and **4.8794, 7.3378, 1.1592** is the 20% darker color. If you saturate the color by 10%, you get **14.5058, 20.3361, 3.3475**, and if you desaturate by 10%, it is **15.5230, 20.8321, 4.6791**.

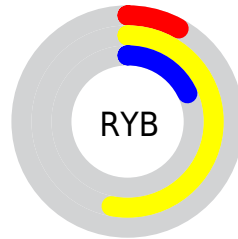
Distribution



Red (42%)

Green (53%)

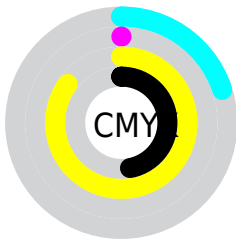
Blue (8%)



Red (8%)

Yellow (53%)

Blue (18%)

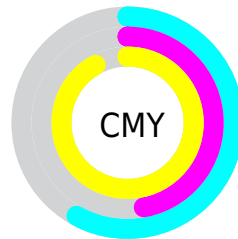


Cyan (20%)

Magenta (0%)

Yellow (85%)

Black (47%)



Cyan (58%)

Magenta (47%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9746, 20.5666, 3.8423 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 14.9746, 20.5666, 3.8423 by changing the saturation by 10% instead.

■ 14.9746, 20.5666,
3.8423

■ 14.9746, 20.5666,
3.8423

216.6039,
254.9662, 146.4561

■ 8.8878, 12.8076,
1.5392

■ 34.3806, 44.3651,
13.6444

■ 4.7246, 7.2962,
0.2469

■ 48.4305, 61.1734,
21.9805

■ 2.1197, 3.6480,
0.0000

■ 65.8655, 81.7669,
33.1647

■ 0.6999, 1.4787,
0.0000

■ 87.0509, 106.5299,
47.6155

■ 0.0000, 0.2737,
0.0000

■ 112.3521,
135.8470, 65.7516

■ 0.0000, 0.0000,
0.0000

■ 142.1344,

170.1025, 87.9913

176.7632,
209.6807, 114.7533

14.9746, 20.5666,
3.8423

14.9746, 20.5666,
3.8423

14.5058, 20.3361,
3.3475

15.5230, 20.8321,
4.6791

14.2927, 20.2303,
3.1515

16.1614, 21.1344,
5.9175

16.8984, 21.4778,
7.6005

17.7411, 21.8653,
9.7651

18.6961, 22.2992,
12.4446

■ 19.7692, 22.7822,
15.6693

■ 20.9659, 23.3163,
19.4670

■ 22.2912, 23.9035,
23.8638

■ 23.7498, 24.5459,
28.8842

Harmonies

Analogous

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



20.4558, 20.5666, 2.9522



14.9746, 20.5666, 3.8423



11.4837, 20.5666, 8.4094

Triad

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



14.9746, 20.5666, 3.8423



13.7151, 20.5666, 62.2685



33.4775, 20.5666, 25.0531

Complementary

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



14.9746, 20.5666, 3.8423



5.7964, 2.8544, 23.1683

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.



30.7086, 20.5666, 46.8017



14.9746, 20.5666, 3.8423



18.6674, 20.5666, 74.2337

Square

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



14.9746, 20.5666, 3.8423



10.8679, 20.5666, 39.9195



24.9688, 20.5666, 67.4707



31.9328, 20.5666, 10.9357

Rectangle

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



14.9746, 20.5666, 3.8423



10.3582, 20.5666, 15.1149



24.9688, 20.5666, 67.4707



33.0070, 20.5666, 31.6986

Sweetspot

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



14.9751, 20.5675, 3.8427



35.1188, 40.6699, 27.1897



11.1286, 7.2218, 1.4695



7.9968, 9.3575, 5.8823



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.9751, 20.5675, 3.8427



25.4484, 36.1517, 5.6367



10.1395, 18.0747, 3.6164



4.9357, 5.3694, 5.0056



13.1910, 18.6602, 2.9065



0.0521, 0.0679, 0.0104

Inverse Universe

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



5.7964, 2.8544, 23.1683



8.7586, 3.6106, 41.2836



10.3718, 5.2131, 23.3825



4.5293, 4.5935, 5.8487



4.5839, 1.8972, 21.2613



0.0215, 0.0095, 0.0739

Previews

White Background



This preview shows how the XYZ color 14.9746, 20.5666, 3.8423 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 14.9746, 20.5666, 3.8423 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 14.9746, 20.5666, 3.8423

Background



This preview shows how black text looks on a background with the XYZ color 14.9746, 20.5666, 3.8423.



This preview shows how white text looks on a background with the XYZ color 14.9746, 20.5666,

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

14.9746, 20.5666, 3.8423

Protanopia

18.4193, 20.3704, 3.4914

Deuteranopia

20.7488, 20.4607, 4.1521



Tritanopia

19.5125, 20.6212, 26.2444

Trichromacy



Original Color

14.9746, 20.5666, 3.8423

Protanomaly

17.0127, 20.4113, 3.6154

Deuteranomaly

18.1789, 20.2353, 3.9846

Tritanomaly

16.9409, 20.1535, 13.5868

Monochromacy



Original Color

14.9746, 20.5666, 3.8423

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.0896, 17.9430, 10.2575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9746, 20.5666, 3.8423 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(108, 135, 20)` looks like.

```
.text, #text, p{  
    color:rgb(108, 135, 20)  
}
```

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(108, 135, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 135, 20) }
```

Border

The CSS property to change the border of an element to XYZ 14.9746, 20.5666, 3.8423 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(108, 135, 20) }
```


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

```
.border{ border-color:rgb(108, 135, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 135, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 135, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 135, 20);  
box-shadow:4px 4px 4px 4px rgb(108, 135,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9746, 20.5666, 3.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 135, 20) }
```

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

```
.background{ background-color: rgb(108,  
135, 20) }
```

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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