

Converting Colors

XYZ(14.8674, 21.0462, 21.2589)

Have a look what the booklet for
XYZ(14.8674, 21.0462, 21.2589)
contains.

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Color

**XYZ(14.8638, 20.9695,
21.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	418B79
RGB	65, 139, 121
RGB Percent	25%, 55%, 47%
CMY	0.7451, 0.4549, 0.5255
CMYK	0.53, 0.00, 0.13, 0.45
HSL	165°, 36%, 40%
HSV	165°, 53%, 55%
XYZ	14.8638, 20.9695, 21.3533
YIQ	114.8220, -38.3260, -21.2860

Conversions

Conversions Part 2

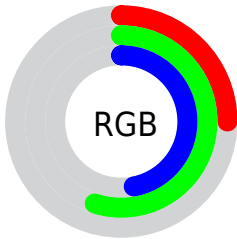
Format	Color
RYB	65, 107, 139
Decimal	4295545
CIELab	52.92, -27.67, 2.62
CIElCh	53, 27.795, 174.585
Yxy	20.9695, 0.2599, 0.3667
Android (android.graphics.Color)	4282485625 (0xFF418B79)
YUV	114.8220, 3.0458, -43.6939
Hunter-Lab	45.7925, -22.1974, 4.4074

Details

The XYZ color **14.8638, 20.9695, 21.3533** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0998, 9.8947, 9.3512**, and the grayscale version is **16.2417, 17.0875, 18.6083**.

A 20% lighter version of the original color is **34.2205, 45.0790, 46.4327**, and **4.6923, 7.4605, 7.4960** is the 20% darker color. If you saturate the color by 10%, you get **13.8508, 20.4714, 20.2427**, and if you desaturate by 10%, it is **16.1117, 21.5890, 22.5138**.

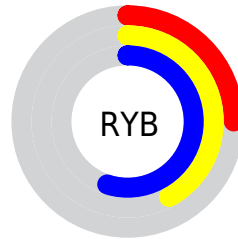
Distribution



Red (25%)

Green (55%)

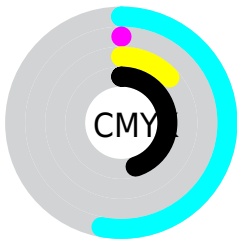
Blue (47%)



Red (25%)

Yellow (42%)

Blue (55%)

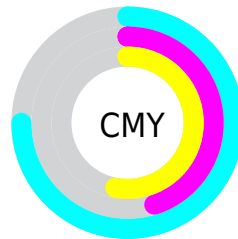


Cyan (53%)

Magenta (0%)

Yellow (13%)

Black (45%)



Cyan (75%)

Magenta (45%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8638, 20.9695, 21.3533 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 14.8638, 20.9695, 21.3533 by changing the saturation by 10% instead.

■ 14.8638, 20.9695,
21.3533

■ 14.8638, 20.9695,
21.3533

215.9451,
257.1164, 271.9926

■ 8.8095, 13.1017,
13.1887

■ 34.1877, 45.0368,
46.5632

■ 4.6733, 7.4986,
7.4264

■ 48.1880, 62.0050,
64.4456

■ 2.0896, 3.7758,
3.6477

■ 65.5678, 82.7756,
86.4044

■ 0.6836, 1.5490,
1.4341

■ 86.6923, 107.7328,
112.8580

■ 0.0000, 0.3228,
0.1681

■ 111.9269,
137.2611, 144.2252

■ 0.0000, 0.0000,
0.0000

141.6370,

171.7449, 180.9243

176.1880,
211.5685, 223.3739

■ 14.8638, 20.9695,
21.3533

■ 14.8638, 20.9695,
21.3533

■ 13.8508, 20.4714,
20.2427

■ 16.1117, 21.5890,
22.5138

■ 13.0540, 20.0833,
19.1793

■ 17.6080, 22.3351,
23.7238

■ 12.4546, 19.7962,
18.1623

■ 19.3674, 23.2160,
24.9848

■ 12.0296, 19.5982,
17.1903

■ 21.4026, 24.2383,
26.2978

■ 11.7925, 19.4897,
16.5558

■ 23.7258, 25.4081,
27.6636

■ 26.3483, 26.7313,
29.0833

■ 29.2807, 28.2134,
30.5577

■ 32.5333, 29.8597,
32.0875

■ 36.1156, 31.6751,
33.6735

Harmonies

Analogous

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



15.7101, 20.9695, 14.7488



14.8638, 20.9695, 21.3533



15.2639, 20.9695, 30.1683

Triad

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



14.8638, 20.9695, 21.3533



22.3503, 20.9695, 40.7218



23.3520, 20.9695, 12.1051

Complementary

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



14.8638, 20.9695, 21.3533



14.0998, 9.8947, 9.3512

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.



25.4636, 20.9695, 16.7937



14.8638, 20.9695, 21.3533



24.8470, 20.9695, 33.4330

Square

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



14.8638, 20.9695, 21.3533



19.4076, 20.9695, 42.7869



26.0356, 20.9695, 24.3779



20.4635, 20.9695, 10.3071

Rectangle

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



14.8638, 20.9695, 21.3533



16.2059, 20.9695, 36.0279



26.0356, 20.9695, 24.3779



24.1870, 20.9695, 13.3304

Sweetspot

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



14.8644, 20.9703, 21.3538



37.1386, 42.8075, 46.3513



13.7990, 20.7096, 8.2716



8.4047, 9.7870, 10.5827



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.8644, 20.9703, 21.3538



24.4643, 36.4934, 35.8322



13.6176, 16.5422, 26.9022



5.1217, 5.6682, 6.1619



10.6498, 17.5925, 14.9784



0.0765, 0.1192, 0.1298

Inverse Universe

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



14.0998, 9.8947, 9.3512



22.9603, 14.4277, 12.0156



14.7339, 12.1346, 6.5671



5.0795, 5.0673, 5.5073



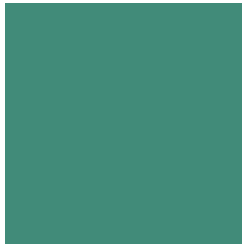
9.8740, 5.0597, 1.8410



0.0706, 0.0356, 0.0388

Previews

White Background



This preview shows how the XYZ color 14.8638, 20.9695, 21.3533 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 14.8638, 20.9695, 21.3533 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 14.8638, 20.9695, 21.3533

Background



This preview shows how black text looks on a background with the XYZ color 14.8638, 20.9695, 21.3533.



This preview shows how white text looks on a background with the XYZ color 14.8638, 20.9695,

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

14.8638, 20.9695, 21.3533

Protanopia

19.7310, 20.7074, 18.8766

Deuteranopia

21.1424, 20.8030, 22.3031



Tritanopia

16.5999, 20.8197, 30.3378

Trichromacy



Original Color

14.8638, 20.9695, 21.3533

Protanomaly

17.2569, 20.3754, 19.8529

Deuteranomaly

17.9128, 20.2731, 22.0378

Tritanomaly

15.8453, 20.7166, 26.8305

Monochromacy



Original Color

14.8638, 20.9695, 21.3533

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3483, 18.2410, 19.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8638, 20.9695, 21.3533 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(65, 139, 121)` looks like.

```
.text, #text, p{  
    color:rgb(65, 139, 121)  
}
```

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(65, 139, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 139, 121) }
```

Border

The CSS property to change the border of an element to XYZ 14.8638, 20.9695, 21.3533 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(65, 139, 121) }
```


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

```
.border{ border-color:rgb(65, 139, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 139, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 139, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 139, 121);  
box-shadow:4px 4px 4px 4px rgb(65, 139,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8638, 20.9695, 21.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 139, 121) }
```

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

```
.background{ background-color: rgb(65, 139,  
121) }
```

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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