

Converting Colors

XYZ(14.4965, 20.7874, 19.8322)

Have a look what the booklet for
XYZ(14.4965, 20.7874, 19.8322)
contains.

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Color

**XYZ(14.4994, 20.8162,
19.7767)**

Conversions

Conversions Part 1

Format	Color
Hex	408B74
RGB	64, 139, 116
RGB Percent	25%, 55%, 45%
CMY	0.7490, 0.4549, 0.5451
CMYK	0.54, 0.00, 0.17, 0.45
HSL	162°, 37%, 40%
HSV	162°, 54%, 55%
XYZ	14.4994, 20.8162, 19.7767
YIQ	113.9530, -37.3170, -23.0530

Conversions

Conversions Part 2

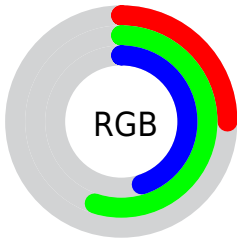
Format	Color
RYB	64, 108, 139
Decimal	4230004
CIELab	52.75, -29.16, 5.27
CIELCh	53, 29.637, 169.765
Yxy	20.8162, 0.2632, 0.3778
Android (android.graphics.Color)	4282420084 (0xFF408B74)
YUV	113.9530, 1.0092, -43.8088
Hunter-Lab	45.6248, -23.1167, 6.2373

Details

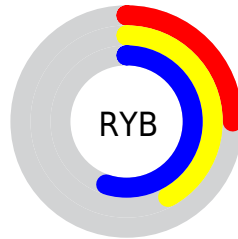
The XYZ color **14.4994, 20.8162, 19.7767** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.2019, 9.8445, 10.1694**, and the grayscale version is **15.9858, 16.8183, 18.3151**.

A 20% lighter version of the original color is **33.6091, 44.8186, 43.9253**, and **4.5331, 7.3968, 6.6576** is the 20% darker color. If you saturate the color by 10%, you get **13.4635, 20.3107, 18.4636**, and if you desaturate by 10%, it is **15.7732, 21.4441, 21.1612**.

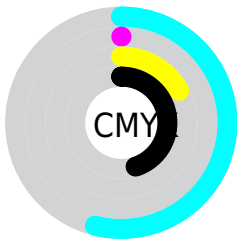
Distribution



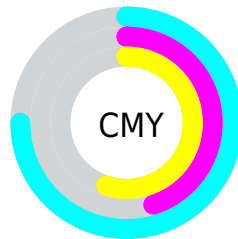
- Red (25%)
- Green (55%)
- Blue (45%)



- Red (25%)
- Yellow (42%)
- Blue (55%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)



- Cyan (75%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4994, 20.8162, 19.7767 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 14.4994, 20.8162, 19.7767 by changing the saturation by 10% instead.

■ 14.4994, 20.8162,
19.7767

■ 14.4994, 20.8162,
19.7767

213.7649,
256.3001, 263.2678

■ 8.5528, 12.9897,
12.0504

■ 33.5515, 44.7814,
43.8965

■ 4.5054, 7.4215,
6.6550

■ 47.3877, 61.6890,
61.1271

■ 1.9919, 3.7271,
3.1722

■ 64.5845, 82.3923,
82.3628

■ 0.6294, 1.5221,
1.1832

■ 85.5072, 107.2759,
108.0223

■ 0.0000, 0.3042,
0.0000

■ 110.5213,
136.7241, 138.5239

■ 0.0000, 0.0000,
0.0000

139.9920,

171.1212, 174.2864

174.2848,
210.8518, 215.7282

■ 14.4994, 20.8162,
19.7767

■ 14.4994, 20.8162,
19.7767

■ 13.4635, 20.3107,
18.4636

■ 15.7732, 21.4441,
21.1612

■ 12.6465, 19.9162,
17.2190

■ 17.2985, 22.1998,
22.6173

■ 12.0294, 19.6235,
16.0415

■ 19.0902, 23.0914,
24.1468

■ 11.5878, 19.4201,
14.9293

■ 21.1612, 24.1257,
25.7510

■ 11.3615, 19.3174,
14.2862

■ 23.5238, 25.3089,
27.4313

■ 26.1892, 26.6469,
29.1889

■ 29.1685, 28.1452,
31.0251

■ 32.4718, 29.8091,
32.9410

■ 36.1089, 31.6436,
34.9377

Harmonies

Analogous

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



15.5906, 20.8162, 13.3619



14.4994, 20.8162, 19.7767



14.7079, 20.8162, 28.9144

Triad

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



14.4994, 20.8162, 19.7767



21.8613, 20.8162, 42.7250



23.8726, 20.8162, 12.0062

Complementary

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



14.4994, 20.8162, 19.7767



14.2019, 9.8445, 10.1694

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.



25.9141, 20.8162, 17.3885



14.4994, 20.8162, 19.7767



24.6718, 20.8162, 35.5158

Square

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



14.4994, 20.8162, 19.7767



18.7490, 20.8162, 43.8503



26.2209, 20.8162, 25.8223



20.8588, 20.8162, 9.7136

Rectangle

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



14.4994, 20.8162, 19.7767



15.5639, 20.8162, 35.3720



26.2209, 20.8162, 25.8223



24.7081, 20.8162, 13.4371

Sweetspot

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



14.5000, 20.8170, 19.7772



36.9606, 42.7363, 45.4142



14.1596, 20.8988, 8.1385



8.3595, 9.7690, 10.3446



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.



14.5000, 20.8170, 19.7772



23.7151, 36.1800, 32.5047



14.1406, 17.6855, 27.0954



5.1086, 5.6629, 6.0929



10.2617, 17.4373, 12.9348



0.0747, 0.1185, 0.1205

Inverse Universe

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



14.2019, 9.8445, 10.1694



23.1399, 14.3353, 13.4672



14.2802, 11.2731, 6.2742



5.0919, 5.0722, 5.5726



10.0043, 5.1118, 2.5269



0.0724, 0.0363, 0.0481

Previews

White Background



This preview shows how the XYZ color 14.4994, 20.8162, 19.7767 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 14.4994, 20.8162, 19.7767 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 14.4994, 20.8162, 19.7767

Background



This preview shows how black text looks on a background with the XYZ color 14.4994, 20.8162, 19.7767.



This preview shows how white text looks on a background with the XYZ color 14.4994, 20.8162,

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

14.4994, 20.8162, 19.7767

Protanopia

19.4540, 20.5967, 17.4182

Deuteranopia

20.8750, 20.5198, 20.6298



Tritanopia

16.5999, 20.8197, 30.3378

Trichromacy



Original Color

14.4994, 20.8162, 19.7767

Protanomaly

16.9707, 20.2609, 18.3455

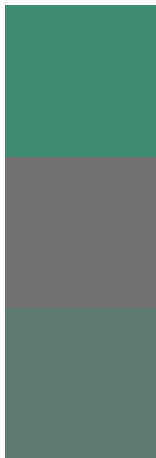
Deuteranomaly

17.7310, 20.2150, 20.4201

Tritanomaly

15.7031, 20.6597, 26.0817

Monochromacy



Original Color

14.4994, 20.8162, 19.7767

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.0013, 17.8905, 18.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4994, 20.8162, 19.7767 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(64, 139, 116)` looks like.

```
.text, #text, p{  
    color:rgb(64, 139, 116)  
}
```

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(64, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 139, 116) }
```

Border

The CSS property to change the border of an element to XYZ 14.4994, 20.8162, 19.7767 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(64, 139, 116) }
```


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

```
.border{ border-color:rgb(64, 139, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 139, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(64, 139,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4994, 20.8162, 19.7767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 139, 116) }
```

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

```
.background{ background-color: rgb(64, 139,  
116) }
```

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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