

Converting Colors

XYZ(13.8526, 20.4633, 20.0480)

Have a look what the booklet for
XYZ(13.8526, 20.4633, 20.0480)
contains.

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Color

**XYZ(13.8597, 20.4797,
20.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	348B75
RGB	52, 139, 117
RGB Percent	20%, 55%, 46%
CMY	0.7961, 0.4549, 0.5412
CMYK	0.63, 0.00, 0.16, 0.45
HSL	165°, 46%, 37%
HSV	165°, 63%, 55%
XYZ	13.8597, 20.4797, 20.0521
YIQ	110.4790, -44.7900, -25.2860

Conversions

Conversions Part 2

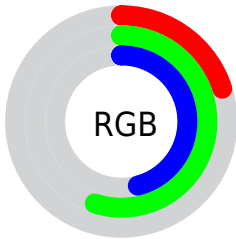
Format	Color
RYB	52, 102, 139
Decimal	3443573
CIELab	52.38, -31.55, 4.10
CIELCh	52, 31.813, 172.595
Yxy	20.4797, 0.2548, 0.3765
Android (android.graphics.Color)	4281633653 (0xFF348B75)
YUV	110.4790, 3.2149, -51.2861
Hunter-Lab	45.2545, -24.5277, 5.4070

Details

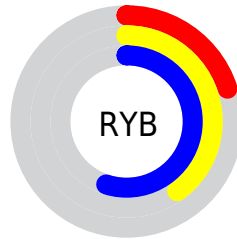
The XYZ color **13.8597, 20.4797, 20.0521** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.1122, 8.4399, 7.4174**, and the grayscale version is **14.9596, 15.7386, 17.1394**.

A 20% lighter version of the original color is **32.4157, 44.1926, 44.3577**, and **4.5639, 7.4091, 6.8198** is the 20% darker color. If you saturate the color by 10%, you get **13.0442, 20.0832, 18.9555**, and if you desaturate by 10%, it is **14.8948, 20.9895, 21.2004**.

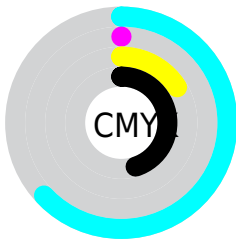
Distribution



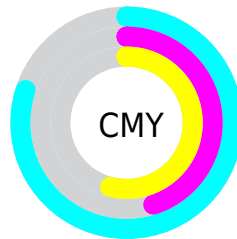
- Red (20%)
- Green (55%)
- Blue (46%)



- Red (20%)
- Yellow (40%)
- Blue (55%)



- Cyan (63%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)



- Cyan (80%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8597, 20.4797, 20.0521 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 13.8597, 20.4797, 20.0521 by changing the saturation by 10% instead.

■ 13.8597, 20.4797,
20.0521

■ 13.8597, 20.4797,
20.0521

209.8844,
254.5003, 264.8106

■ 8.1042, 12.7442,
12.2485

■ 32.4282, 44.2200,
44.3646

■ 4.2141, 7.2527,
6.7885

■ 45.9720, 60.9936,
61.7106

■ 1.8239, 3.6206,
3.2538

■ 62.8425, 81.5487,
83.0745

■ 0.5320, 1.4637,
1.2256

■ 83.4052, 106.2696,
108.8747

■ 0.0000, 0.2630,
0.0000

■ 108.0253,
135.5409, 139.5299

■ 0.0000, 0.0000,
0.0000

■ 137.0684,

169.7468, 175.4586

170.8996,
209.2718, 217.0793

■ 13.8597, 20.4797,
20.0521

■ 13.8597, 20.4797,
20.0521

■ 13.0442, 20.0832,
18.9555

■ 14.8948, 20.9895,
21.2004

■ 12.4274, 19.7878,
17.9079

■ 16.1648, 21.6190,
22.4002

■ 11.9872, 19.5826,
16.9082

■ 17.6853, 22.3766,
23.6531

■ 11.7241, 19.4624,
16.1955

■ 19.4702, 23.2697,
24.9601

■ 21.5325, 24.3049,
26.3224

■ 23.8841, 25.4882,
27.7408

■ 26.5362, 26.8255,
29.2164

■ 29.4996, 28.3223,
30.7499

■ 32.7845, 29.9839,
32.3422

Harmonies

Analogous

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



14.8752, 20.4797, 13.0322



13.8597, 20.4797, 20.0521



14.2064, 20.4797, 29.9788

Triad

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



13.8597, 20.4797, 20.0521



21.9890, 20.4797, 43.4633



23.5509, 20.4797, 10.8131

Complementary

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



13.8597, 20.4797, 20.0521



13.1122, 8.4399, 7.4174

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.



25.8842, 20.4797, 16.0572



13.8597, 20.4797, 20.0521



24.9141, 20.4797, 35.1609

Square

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



13.8597, 20.4797, 20.0521



18.6641, 20.4797, 45.4190



26.4092, 20.4797, 24.7076



20.2891, 20.4797, 8.7602

Rectangle

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



13.8597, 20.4797, 20.0521



15.1840, 20.4797, 36.8844



26.4092, 20.4797, 24.7076



24.4842, 20.4797, 12.1765

Sweetspot

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



13.8603, 20.4805, 20.0526



35.9842, 42.2309, 45.4613



12.7704, 20.2180, 6.4786



8.0837, 9.6268, 10.3338



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.



13.8603, 20.4805, 20.0526



22.8716, 35.7294, 33.1758



12.6382, 15.7173, 26.7947



5.1197, 5.6674, 6.1514



10.5882, 17.5679, 14.6539



0.0762, 0.1191, 0.1284

Inverse Universe

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



13.1122, 8.4399, 7.4174



21.4495, 12.3000, 8.7562



13.6048, 10.4112, 4.5417



5.0814, 5.0680, 5.5172



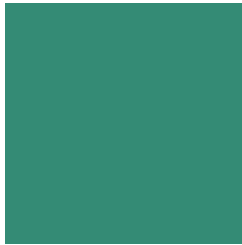
9.8919, 5.0669, 1.9350



0.0709, 0.0357, 0.0402

Previews

White Background



This preview shows how the XYZ color 13.8597, 20.4797, 20.0521 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 13.8597, 20.4797, 20.0521 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 13.8597, 20.4797, 20.0521

Background



This preview shows how black text looks on a background with the XYZ color 13.8597, 20.4797, 20.0521.



This preview shows how white text looks on a background with the XYZ color 13.8597, 20.4797,

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

13.8597, 20.4797, 20.0521

Protanopia

19.1739, 20.2653, 17.3690

Deuteranopia

20.4842, 20.1318, 20.8953



Tritanopia

15.9022, 20.4600, 30.3052

Trichromacy



Original Color

13.8597, 20.4797, 20.0521

Protanomaly

16.2544, 19.6951, 18.2741

Deuteranomaly

16.9234, 19.5990, 20.6603

Tritanomaly

14.9810, 20.2874, 26.0479

Monochromacy



Original Color

13.8597, 20.4797, 20.0521

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9378, 16.9908, 18.1677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8597, 20.4797, 20.0521 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(52, 139, 117)` looks like.

```
.text, #text, p{  
    color:rgb(52, 139, 117)  
}
```

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(52, 139, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 139, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.8597, 20.4797, 20.0521 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(52, 139, 117) }
```


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

```
.border{ border-color:rgb(52, 139, 117) }
```

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

Here you see how a box with a 4 pixel rgb(52, 139, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 139, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 139, 117);  
box-shadow:4px 4px 4px 4px rgb(52, 139,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8597, 20.4797, 20.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 139, 117) }
```

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

```
.background{ background-color: rgb(52, 139,  
117) }
```

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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