

Converting Colors

XYZ(13.3485, 17.8290, 21.5853)

Have a look what the booklet for
XYZ(13.3485, 17.8290, 21.5853)
contains.

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Color

**XYZ(13.4087, 17.9584,
21.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	40807B
RGB	64, 128, 123
RGB Percent	25%, 50%, 48%
CMY	0.7490, 0.4980, 0.5176
CMYK	0.50, 0.00, 0.04, 0.50
HSL	175°, 33%, 38%
HSV	175°, 50%, 50%
XYZ	13.4087, 17.9584, 21.4985
YIQ	108.2940, -36.5390, -15.1230

Conversions

Conversions Part 2

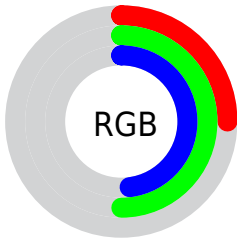
Format	Color
RYB	64, 97, 128
Decimal	4227195
CIELab	49.45, -21.81, -3.62
CIELCh	49, 22.105, 189.434
Yxy	17.9584, 0.2536, 0.3397
Android (android.graphics.Color)	4282417275 (0xFF40807B)
YUV	108.2940, 7.2501, -38.8458
Hunter-Lab	42.3774, -17.6808, -0.4143

Details

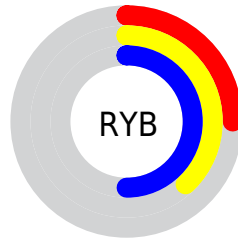
The XYZ color **13.4087, 17.9584, 21.4985** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8103, 8.6862, 6.6851**, and the grayscale version is **14.3245, 15.0705, 16.4118**.

A 20% lighter version of the original color is **31.5979, 39.9248, 46.5983**, and **3.9729, 5.9496, 7.4176** is the 20% darker color. If you saturate the color by 10%, you get **12.6078, 17.5532, 21.1362**, and if you desaturate by 10%, it is **14.4023, 18.4638, 21.8740**.

Distribution



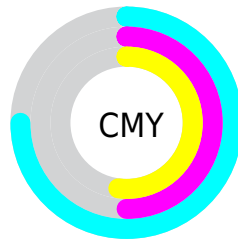
- Red (25%)
- Green (50%)
- Blue (48%)



- Red (25%)
- Yellow (38%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (50%)



- Cyan (75%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4087, 17.9584, 21.4985 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 13.4087, 17.9584, 21.4985 by changing the saturation by 10% instead.

■ 13.4087, 17.9584,
21.4985

■ 13.4087, 17.9584,
21.4985

207.1057,
240.6365, 272.7835

■ 7.7895, 10.9201,
13.2941

■ 31.6312, 39.9664,
46.8072

■ 4.0112, 6.0131,
7.4983

■ 44.9652, 55.7050,
64.7486

■ 1.7085, 2.8531,
3.6925

■ 61.6016, 75.1124,
86.7728

■ 0.4616, 1.0555,
1.4582

■ 81.9056, 98.5731,
113.2982

■ 0.0000, 0.0000,
0.1865

■ 106.2427,
126.4714, 144.7434

■ 0.0000, 0.0000,
0.0000

134.9782,

159.1919, 181.5271

168.4774,
197.1187, 224.0676

■ 13.4087, 17.9584,
21.4985

■ 13.4087, 17.9584,
21.4985

■ 12.6078, 17.5532,
21.1362

■ 14.4023, 18.4638,
21.8740

■ 11.9849, 17.2392,
20.7851

■ 15.5992, 19.0735,
22.2619

■ 11.5256, 17.0094,
20.4450


■ 17.0108, 19.7938,
22.6633


■ 11.2123, 16.8549,
20.1151

■ 18.6474, 20.6300,
23.0785


■ 10.9895, 16.7469,
19.7927


■ 20.5186, 21.5870,
23.5082

 10.9894, 16.7469,
19.7926

 22.6334, 22.6696,
23.9526

 25.0002, 23.8820,
24.4122

 27.6273, 25.2285,
24.8874

 30.5224, 26.7131,
25.3785

Harmonies

Analogous

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



13.5809, 17.9584, 15.7883



13.4087, 17.9584, 21.4985



14.1536, 17.9584, 27.7991

Triad

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



13.4087, 17.9584, 21.4985



19.7467, 17.9584, 29.8400



18.5176, 17.9584, 10.6470

Complementary

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



13.4087, 17.9584, 21.4985



11.8103, 8.6862, 6.6851

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.



20.3594, 17.9584, 13.1248



13.4087, 17.9584, 21.4985



21.1082, 17.9584, 23.8746

Square

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



13.4087, 17.9584, 21.4985



17.7351, 17.9584, 33.2219



21.3411, 17.9584, 17.7298



16.4196, 17.9584, 10.2670

Rectangle

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



13.4087, 17.9584, 21.4985



15.1087, 17.9584, 31.2115



21.3411, 17.9584, 17.7298



19.1918, 17.9584, 11.2339

Sweetspot

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



13.4092, 17.9591, 21.4989



31.2396, 35.5079, 40.2379



11.1231, 17.0867, 7.5628



7.1965, 8.2533, 9.3905



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4092, 17.9591, 21.4989



22.0275, 30.8182, 37.1255



10.6973, 12.0214, 22.1794



4.4324, 4.8813, 5.4482



10.8966, 16.6052, 19.6263



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8103, 8.6862, 6.6851



18.8778, 12.5070, 7.9103



13.5408, 12.3853, 6.5279



4.3404, 4.3493, 4.5968



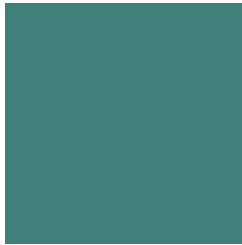
8.8816, 4.5723, 0.7006



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4087, 17.9584, 21.4985 looks on a white 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

Black Background



This preview shows how the XYZ color 13.4087, 17.9584, 21.4985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

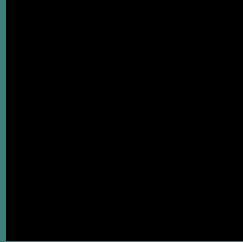
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4087, 17.9584, 21.4985

Background



This preview shows how black text looks on a background with the XYZ color 13.4087, 17.9584, 21.4985.



This preview shows how white text looks on a background with the XYZ color 13.4087, 17.9584,

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

13.4087, 17.9584, 21.4985

Protanopia

17.0055, 17.6737, 19.0381

Deuteranopia

18.0954, 17.8261, 22.2257



Tritanopia

14.2887, 17.9282, 26.0000

Trichromacy



Original Color

13.4087, 17.9584, 21.4985

Protanomaly

15.1918, 17.4175, 20.0140

Deuteranomaly

15.7780, 17.4991, 21.9481

Tritanomaly

14.0008, 18.0107, 24.2112

Monochromacy



Original Color

13.4087, 17.9584, 21.4985

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5250, 15.7290, 17.9459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4087, 17.9584, 21.4985 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, 128, 123)` looks like.

```
.text, #text, p{  
  color:rgb(64, 128, 123)  
}
```

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, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.4087, 17.9584, 21.4985 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, 128, 123) }
```


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

```
.border{ border-color:rgb(64, 128, 123) }
```

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

Here you see how a box with a 4 pixel rgb(64, 128, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4087, 17.9584, 21.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 123) }
```

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

```
.background{ background-color: rgb(64, 128,  
123) }
```

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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