

Converting Colors

XYZ(13.6858, 17.7547, 20.7166)

Have a look what the booklet for
XYZ(13.6858, 17.7547, 20.7166)
contains.

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Color

**XYZ(13.6597, 17.7187,
20.7893)**

Conversions

Conversions Part 1

Format	Color
Hex	497E79
RGB	73, 126, 121
RGB Percent	29%, 49%, 47%
CMY	0.7137, 0.5059, 0.5255
CMYK	0.42, 0.00, 0.04, 0.51
HSL	174°, 27%, 39%
HSV	174°, 42%, 49%
XYZ	13.6597, 17.7187, 20.7893
YIQ	109.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

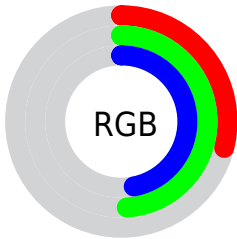
Format	Color
RYB	73, 101, 126
Decimal	4816505
CIELab	49.15, -18.93, -2.83
CIElCh	49, 19.142, 188.510
Yxy	17.7187, 0.2618, 0.3396
Android (android.graphics.Color)	4283006585 (0xFF497E79)
YUV	109.5830, 5.6286, -32.0833
Hunter-Lab	42.0936, -15.7391, 0.1832

Details

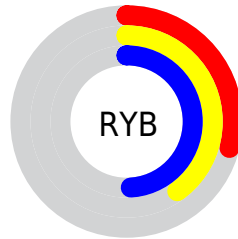
The XYZ color **13.6597, 17.7187, 20.7893** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3625, 9.7512, 8.4389**, and the grayscale version is **14.6927, 15.4578, 16.8336**.

A 20% lighter version of the original color is **32.1204, 39.6173, 45.4891**, and **4.1657, 5.9482, 7.2319** is the 20% darker color. If you saturate the color by 10%, you get **12.7278, 17.2471, 20.3677**, and if you desaturate by 10%, it is **14.7870, 18.2918, 21.2255**.

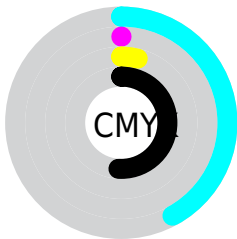
Distribution



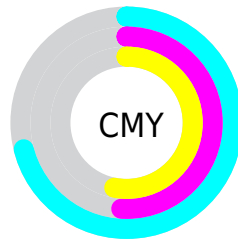
- Red (29%)
- Green (49%)
- Blue (47%)



- Red (29%)
- Yellow (40%)
- Blue (49%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)



- Cyan (71%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6597, 17.7187, 20.7893 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 13.6597, 17.7187, 20.7893 by changing the saturation by 10% instead.

■ 13.6597, 17.7187,
20.7893

■ 13.6597, 17.7187,
20.7893

208.6567,
239.2807, 268.9008

■ 7.9645, 10.7482,
12.7803

■ 32.0753, 39.5574,
45.6128

■ 4.1238, 5.8978,
7.1485

■ 45.5264, 55.1944,
63.2645

■ 1.7724, 2.7830,
3.4753

■ 62.2935, 74.4891,
84.9674

■ 0.5010, 1.0195,
1.3422

■ 82.7420, 97.8258,
111.1403

■ 0.0000, 0.0000,
0.0960

■ 107.2372,
125.5889, 142.2015

■ 0.0000, 0.0000,
0.0000

136.1445,

158.1628, 178.5696

169.8292,
195.9319, 220.6632

■ 13.6597, 17.7187,
20.7893

■ 13.6597, 17.7187,
20.7893

■ 12.7278, 17.2471,
20.3677

■ 14.7870, 18.2918,
21.2255

■ 11.9779, 16.8688,
19.9590

■ 16.1190, 18.9699,
21.6756

■ 11.3976, 16.5778,
19.5628

■ 17.6660, 19.7587,
22.1404

■ 10.9721, 16.3665,
19.1785

■ 19.4375, 20.6632,
22.6206

■ 10.6841, 16.2260,
18.8053

■ 21.4423, 21.6878,
23.1163

■ 10.5048, 16.1398,
18.5147

■ 23.6885, 22.8367,
23.6282

■ 26.1842, 24.1142,
24.1566

■ 28.9369, 25.5240,
24.7017

■ 31.9537, 27.0699,
25.2641

Harmonies

Analogous

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



13.8357, 17.7187, 15.9005



13.6597, 17.7187, 20.7893



14.2875, 17.7187, 26.1083

Triad

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



13.6597, 17.7187, 20.7893



19.0776, 17.7187, 28.0849



18.1344, 17.7187, 11.4938

Complementary

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



13.6597, 17.7187, 20.7893



12.3625, 9.7512, 8.4389

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.



19.6821, 17.7187, 13.7802



13.6597, 17.7187, 20.7893



20.2530, 17.7187, 23.1359

Square

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



13.6597, 17.7187, 20.7893



17.3559, 17.7187, 30.7828



20.4817, 17.7187, 17.8696



16.3366, 17.7187, 11.0901

Rectangle

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



13.6597, 17.7187, 20.7893



15.1056, 17.7187, 28.9841



20.4817, 17.7187, 17.8696



18.7047, 17.7187, 12.0453

Sweetspot

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



13.6602, 17.7194, 20.7897



30.7358, 34.5950, 38.8673



11.8305, 17.0359, 8.9683



6.8708, 7.8077, 8.8058



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.6602, 17.7194, 20.7897



22.5362, 30.4248, 35.9156



11.5453, 12.9859, 21.6376



4.4295, 4.8801, 5.4329



10.7756, 16.5568, 18.9891



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3625, 9.7512, 8.4389



19.9483, 14.5084, 11.2665



13.8279, 12.9583, 8.0760



4.3430, 4.3503, 4.6107



8.8936, 4.5771, 0.7636



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6597, 17.7187, 20.7893 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 13.6597, 17.7187, 20.7893 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

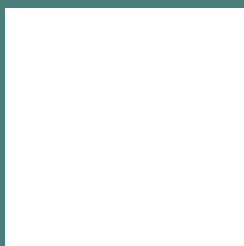
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6597, 17.7187, 20.7893

Background



This preview shows how black text looks on a background with the XYZ color 13.6597, 17.7187, 20.7893.



This preview shows how white text looks on a background with the XYZ color 13.6597, 17.7187,

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

13.6597, 17.7187, 20.7893

Protanopia

16.9477, 17.6505, 18.7333

Deuteranopia

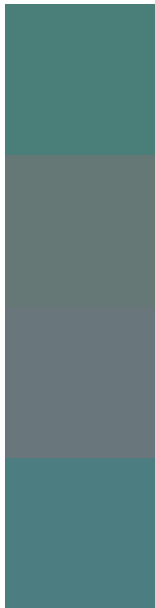
17.8554, 17.5506, 21.5153



Tritanopia

14.5713, 17.7143, 25.2055

Trichromacy



Original Color

13.6597, 17.7187, 20.7893

Protanomaly

15.4068, 17.5421, 19.4036

Deuteranomaly

15.8793, 17.3902, 21.2586

Tritanomaly

14.2766, 17.7887, 23.4500

Monochromacy



Original Color

13.6597, 17.7187, 20.7893

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2124, 16.2471, 18.3065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6597, 17.7187, 20.7893 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(73, 126, 121)` looks like.

```
.text, #text, p{  
    color:rgb(73, 126, 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(73, 126, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 126, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.6597, 17.7187, 20.7893 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(73, 126, 121) }
```


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

```
.border{ border-color:rgb(73, 126, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 126, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 126, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 126, 121);  
box-shadow:4px 4px 4px 4px rgb(73, 126,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6597, 17.7187, 20.7893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 126, 121) }
```

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

```
.background{ background-color: rgb(73, 126,  
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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