

Converting Colors

XYZ(13.7085, 17.6348, 21.8985)

Have a look what the booklet for
XYZ(13.7085, 17.6348, 21.8985)
contains.

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Color

**XYZ(13.7714, 17.7547,
21.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	487E7C
RGB	72, 126, 124
RGB Percent	28%, 49%, 49%
CMY	0.7176, 0.5059, 0.5137
CMYK	0.43, 0.00, 0.02, 0.51
HSL	178°, 27%, 39%
HSV	178°, 43%, 49%
XYZ	13.7714, 17.7547, 21.7699
YIQ	109.6260, -31.5420, -12.0700

Conversions

Conversions Part 2

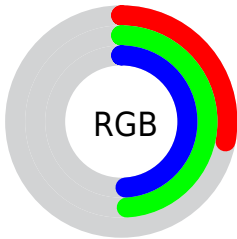
Format	Color
R_{YB}	72, 100, 126
Decimal	4750972
CIE _{Lab}	49.20, -18.41, -4.54
CIE _{LCh}	49, 18.961, 193.853
Yxy	17.7547, 0.2584, 0.3331
Android (android.graphics.Color)	4282941052 (0xFF487E7C)
YUV	109.6260, 7.0864, -32.9980
Hunter-Lab	42.1363, -15.3995, -1.1370

Details

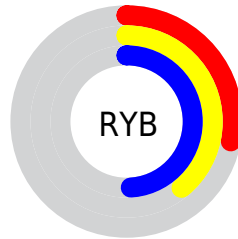
The XYZ color **13.7714, 17.7547, 21.7699** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1582, 9.5652, 7.6846**, and the grayscale version is **14.7012, 15.4668, 16.8434**.

A 20% lighter version of the original color is **32.2688, 39.6599, 47.0287**, and **4.1924, 5.9542, 7.5849** is the 20% darker color. If you saturate the color by 10%, you get **12.8974, 17.3079, 21.5755**, and if you desaturate by 10%, it is **14.8392, 18.3022, 21.9748**.

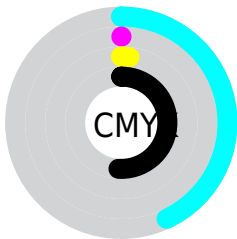
Distribution



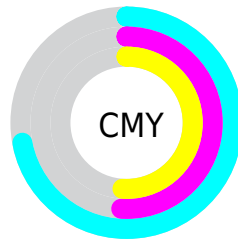
- Red (28%)
- Green (49%)
- Blue (49%)



- Red (28%)
- Yellow (39%)
- Blue (49%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (72%)
- Magenta (51%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7714, 17.7547, 21.7699 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 13.7714, 17.7547, 21.7699 by changing the saturation by 10% instead.

■ 13.7714, 17.7547,
21.7699

■ 13.7714, 17.7547,
21.7699

209.3432,
239.4848, 274.2565

■ 8.0425, 10.7740,
13.4912

■ 32.2725, 39.6189,
47.2627

■ 4.1742, 5.9151,
7.6330

■ 45.7754, 55.2712,
65.3139

■ 1.8011, 2.7935,
3.7766

■ 62.6004, 74.5828,
87.4597

■ 0.5184, 1.0249,
1.5036

■ 83.1127, 97.9382,
114.1186

■ 0.0000, 0.0000,
0.2206

■ 107.6778,
125.7217, 145.7092

■ 0.0000, 0.0000,
0.0000

136.6611,

158.3177, 182.6500

170.4277,
196.1106, 225.3596

■ 13.7714, 17.7547,
21.7699

■ 13.7714, 17.7547,
21.7699

■ 12.8974, 17.3079,
21.5755

■ 14.8392, 18.3022,
21.9748

■ 12.2036, 16.9537,
21.3899

■ 16.1100, 18.9539,
22.1896

■ 11.6776, 16.6859,
21.2129

■ 17.5944, 19.7157,
22.4151

■ 11.3044, 16.4969,
21.0438

■ 19.3018, 20.5924,
22.6518

■ 11.0660, 16.3773,
20.8817

■ 21.2409, 21.5886,
22.9001

■ 10.9328, 16.3110,
20.7681

■ 23.4202, 22.7085,
23.1603

■ 25.8475, 23.9563,
23.4329

■ 28.5304, 25.3358,
23.7182

■ 31.4761, 26.8509,
24.0165

Harmonies

Analogous

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



13.8023, 17.7547, 16.7369



13.7714, 17.7547, 21.7699



14.5300, 17.7547, 26.9321

Triad

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



13.7714, 17.7547, 21.7699



19.3541, 17.7547, 27.2791



17.8432, 17.7547, 11.3755

Complementary

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



13.7714, 17.7547, 21.7699



12.1582, 9.5652, 7.6846

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.



19.4603, 17.7547, 13.3156



13.7714, 17.7547, 21.7699



20.3736, 17.7547, 22.1821

Square

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



13.7714, 17.7547, 21.7699



17.7064, 17.7547, 30.4702



20.4137, 17.7547, 17.0830



16.0706, 17.7547, 11.3045

Rectangle

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



13.7714, 17.7547, 21.7699



15.4144, 17.7547, 29.5100



20.4137, 17.7547, 17.0830



18.4258, 17.7547, 11.8130

Sweetspot

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



13.7719, 17.7554, 21.7703



30.8437, 34.6382, 39.4357



11.5093, 16.8741, 8.7816



6.8988, 7.8189, 8.9530



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.



13.7719, 17.7554, 21.7703



22.7935, 30.5116, 37.9983



11.1608, 12.3285, 21.5309



4.4398, 4.8842, 5.4870



11.2151, 16.7326, 21.3033



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1582, 9.5652, 7.6846



19.5750, 14.1657, 9.8970



13.9848, 13.3247, 7.9660



4.3337, 4.3466, 4.5619



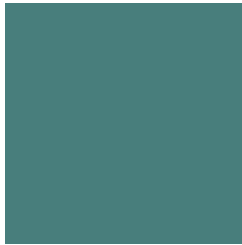
8.8530, 4.5609, 0.5495



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7714, 17.7547, 21.7699 looks on a white background.

Color Contrast Check

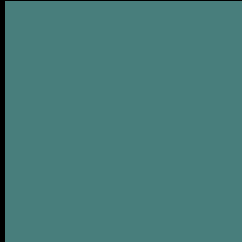
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7714, 17.7547, 21.7699 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

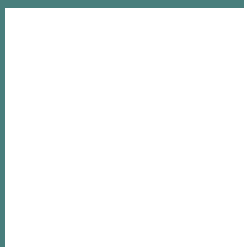
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7714, 17.7547, 21.7699

Background



This preview shows how black text looks on a background with the XYZ color 13.7714, 17.7547, 21.7699.



This preview shows how white text looks on a background with the XYZ color 13.7714, 17.7547,

21.7699.

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

13.7714, 17.7547, 21.7699

Protanopia

16.9866, 17.6503, 19.6511

Deuteranopia

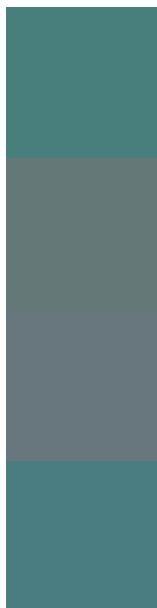
17.9043, 17.5535, 22.5232



Tritanopia

14.4124, 17.6324, 25.1980

Trichromacy



Original Color

13.7714, 17.7547, 21.7699

Protanomaly

15.4735, 17.5557, 20.3424

Deuteranomaly

15.9532, 17.4063, 22.2576

Tritanomaly

14.1869, 17.7348, 23.7945

Monochromacy



Original Color

13.7714, 17.7547, 21.7699

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1638, 16.2154, 18.6030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7714, 17.7547, 21.7699 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(72, 126, 124)` looks like.

```
.text, #text, p{  
    color:rgb(72, 126, 124)  
}
```

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(72, 126, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 126, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.7714, 17.7547, 21.7699 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(72, 126, 124) }
```


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

```
.border{ border-color:rgb(72, 126, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 126, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 126, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 126, 124);  
box-shadow:4px 4px 4px 4px rgb(72, 126,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7714, 17.7547, 21.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 126, 124) }
```

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

```
.background{ background-color: rgb(72, 126,  
124) }
```

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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