

Converting Colors

XYZ(13.8128, 17.1371, 20.1859)

Have a look what the booklet for
XYZ(13.8128, 17.1371, 20.1859)
contains.

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Color

**XYZ(13.7690, 17.0448,
20.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	527A77
RGB	82, 122, 119
RGB Percent	32%, 48%, 47%
CMY	0.6784, 0.5216, 0.5333
CMYK	0.33, 0.00, 0.02, 0.52
HSL	175°, 20%, 40%
HSV	175°, 33%, 48%
XYZ	13.7690, 17.0448, 20.0170
YIQ	109.6980, -22.8770, -9.4130

Conversions

Conversions Part 2

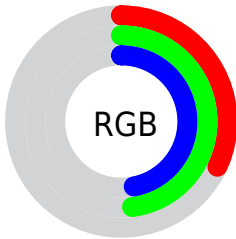
Format	Color
R_{YB}	82, 103, 122
Decimal	5405303
CIE _{Lab}	48.32, -14.63, -2.83
CIE _{LCh}	48, 14.900, 190.954
Y _{xy}	17.0448, 0.2709, 0.3353
Android (android.graphics.Color)	4283595383 (0xFF527A77)
YUV	109.6980, 4.5859, -24.2911
Hunter-Lab	41.2853, -12.7182, 0.1533

Details

The XYZ color **13.7690, 17.0448, 20.0170** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6837, 10.8286, 10.0167**, and the grayscale version is **14.7269, 15.4939, 16.8728**.

A 20% lighter version of the original color is **32.3535, 38.5868, 44.2709**, and **4.1796, 5.5601, 6.8142** is the 20% darker color. If you saturate the color by 10%, you get **12.7464, 16.5244, 19.6839**, and if you desaturate by 10%, it is **14.9818, 17.6641, 20.3625**.

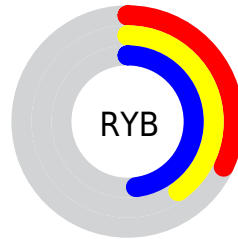
Distribution



Red (32%)

Green (48%)

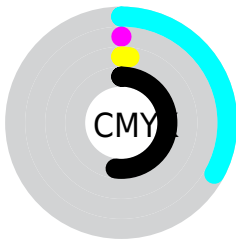
Blue (47%)



Red (32%)

Yellow (40%)

Blue (48%)

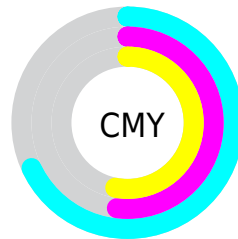


Cyan (33%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7690, 17.0448, 20.0170 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 13.7690, 17.0448, 20.0170 by changing the saturation by 10% instead.

■ 13.7690, 17.0448,
20.0170

■ 13.7690, 17.0448,
20.0170

209.3285,
235.4304, 264.6144

■ 8.0408, 10.2664,
12.2232

■ 32.2683, 38.4028,
44.3050

■ 4.1731, 5.5760,
6.7715

■ 45.7701, 53.7512,
61.6363

■ 1.8005, 2.5890,
3.2433

■ 62.5938, 72.7251,
82.9839

■ 0.5180, 0.9211,
1.2202

■ 83.1048, 95.7088,
108.7663

■ 0.0000, 0.0000,
0.0000

■ 107.6684,
123.0869, 139.4019

136.6500,

155.2435, 175.3095

170.4149,
192.5632, 216.9075

■ 13.7690, 17.0448,
20.0170

■ 13.7690, 17.0448,
20.0170

■ 12.7464, 16.5244,
19.6839

■ 14.9818, 17.6641,
20.3625

■ 11.9026, 16.0956,
19.3615

■ 16.3925, 18.3849,
20.7198

■ 11.2270, 15.7535,
19.0497

■ 18.0104, 19.2124,
21.0894

■ 10.7075, 15.4919,
18.7480

■ 19.8435, 20.1508,
21.4720

■ 10.3305, 15.3036,
18.4557

■ 21.8995, 21.2041,
21.8678

■ 10.0793, 15.1801,
18.1720

■ 24.1859, 22.3761,
22.2771

■ 9.9319, 15.1084,
17.9706

■ 26.7095, 23.6703,
22.7004

■ 29.4770, 25.0902,
23.1379

■ 32.4949, 26.6391,
23.5900

Harmonies

Analogous

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



13.8548, 17.0448, 16.2231



13.7690, 17.0448, 20.0170



14.3068, 17.0448, 23.9067

Triad

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



13.7690, 17.0448, 20.0170



17.9737, 17.0448, 24.8014



17.0680, 17.0448, 12.3476

Complementary

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



13.7690, 17.0448, 20.0170



12.6837, 10.8286, 10.0167

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.



18.2545, 17.0448, 14.0747



13.7690, 17.0448, 20.0170



18.7972, 17.0448, 21.1087

Square

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



13.7690, 17.0448, 20.0170



16.7020, 17.0448, 26.9149



18.9028, 17.0448, 17.1734



15.7093, 17.0448, 12.1406

Rectangle

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



13.7690, 17.0448, 20.0170



14.9652, 17.0448, 25.8972



18.9028, 17.0448, 17.1734



17.5022, 17.0448, 12.7570

Sweetspot

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



13.7695, 17.0455, 20.0174



29.5275, 32.6957, 36.6143



12.2597, 16.4759, 10.5171



6.6813, 7.4400, 8.3554



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7695, 17.0455, 20.0174



22.9033, 29.3142, 34.7934



12.0787, 13.3708, 20.3573



4.0947, 4.5075, 5.0326



10.4550, 15.9056, 18.9125



49.7324, 75.8160, 89.4839

Inverse Universe

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



12.6837, 10.8286, 10.0167



20.6957, 16.6666, 14.4555



13.9800, 13.6080, 9.8729



4.0094, 4.0195, 4.2471



8.5015, 4.3768, 0.6660



40.4251, 20.8264, 2.5028

Previews

White Background



This preview shows how the XYZ color 13.7690, 17.0448, 20.0170 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 13.7690, 17.0448, 20.0170 looks on a black 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

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

XYZ 13.7690, 17.0448, 20.0170

Background



This preview shows how black text looks on a background with the XYZ color 13.7690, 17.0448, 20.0170.



This preview shows how white text looks on a background with the XYZ color 13.7690, 17.0448,

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

13.7690, 17.0448, 20.0170

Protanopia

16.2570, 16.9625, 18.3368

Deuteranopia

17.1617, 16.8869, 20.4441



Tritanopia

14.4920, 16.9759, 23.6320

Trichromacy



Original Color

13.7690, 17.0448, 20.0170

Protanomaly

15.2226, 16.9266, 18.9878

Deuteranomaly

15.5843, 16.7433, 20.1797

Tritanomaly

14.2594, 17.0659, 22.2812

Monochromacy



Original Color

13.7690, 17.0448, 20.0170

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2535, 15.9362, 17.9475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7690, 17.0448, 20.0170 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(82, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 119)  
}
```

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(82, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.7690, 17.0448, 20.0170 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(82, 122, 119) }
```


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

```
.border{ border-color:rgb(82, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7690, 17.0448, 20.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 119) }
```

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

```
.background{ background-color: rgb(82, 122,  
119) }
```

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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