

Converting Colors

XYZ(13.6287, 17.1229, 27.3945)

Have a look what the booklet for
XYZ(13.6287, 17.1229, 27.3945)
contains.

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Color

**XYZ(13.6862, 17.2083,
27.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7C8C
RGB	58, 124, 140
RGB Percent	23%, 49%, 55%
CMY	0.7725, 0.5137, 0.4510
CMYK	0.59, 0.11, 0.00, 0.45
HSL	192°, 41%, 39%
HSV	192°, 59%, 55%
XYZ	13.6862, 17.2083, 27.4111
YIQ	106.0900, -44.4720, -9.0160

Conversions

Conversions Part 2

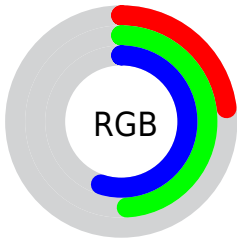
Format	Color
RYB	58, 95, 140
Decimal	3832972
CIELab	48.52, -16.04, -15.04
CIELCh	49, 21.988, 223.161
Yxy	17.2083, 0.2347, 0.2951
Android (android.graphics.Color)	4282023052 (0xFF3A7C8C)
YUV	106.0900, 16.7176, -42.1749
Hunter-Lab	41.4829, -13.7036, -10.1397

Details

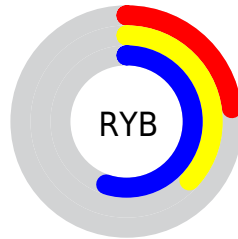
The XYZ color **13.6862, 17.2083, 27.4111** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.0281, 10.7790, 5.3447**, and the grayscale version is **13.6891, 14.4020, 15.6838**.

A 20% lighter version of the original color is **32.2698, 38.8500, 56.8369**, and **4.3615, 5.7703, 10.5568** is the 20% darker color. If you saturate the color by 10%, you get **12.6428, 16.1696, 27.2659**, and if you desaturate by 10%, it is **14.9615, 18.3814, 27.5706**.

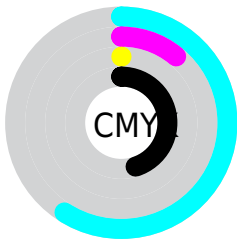
Distribution



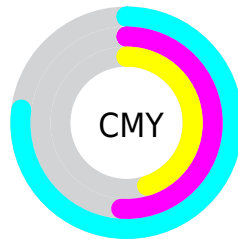
- Red (23%)
- Green (49%)
- Blue (55%)



- Red (23%)
- Yellow (37%)
- Blue (55%)



- Cyan (59%)
- Magenta (11%)
- Yellow (0%)
- Black (45%)



- Cyan (77%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6862, 17.2083, 27.4111 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 13.6862, 17.2083, 27.4111 by changing the saturation by 10% instead.

■ 13.6862, 17.2083,
27.4111

■ 13.6862, 17.2083,
27.4111

208.8198,
236.3699, 303.4650

■ 7.9830, 10.3831,
17.6471

■ 32.1221, 38.6836,
56.5546

■ 4.1358, 5.6537,
10.5301

■ 45.5855, 54.1024,
76.7711

■ 1.7792, 2.6357,
5.6416

■ 62.3664, 73.1547,
101.3088

■ 0.5051, 0.9446,
2.5632

■ 82.8301, 96.2246,
130.5864

■ 0.0000, 0.0000,
0.8734

■ 107.3419,
123.6968, 165.0222

■ 0.0000, 0.0000,
0.0000

136.2672,

155.9554, 205.0349

169.9714,
193.3850, 251.0430

■ 13.6862, 17.2083,
27.4111

■ 13.6862, 17.2083,
27.4111

■ 12.6428, 16.1696,
27.2659

■ 14.9615, 18.3814,
27.5706

■ 11.8113, 15.2537,
27.1330

■ 16.4835, 19.6955,
27.7441

■ 11.1706, 14.4500,
27.0116

■ 18.2677, 21.1590,
27.9325

■ 10.6723, 13.7335,
26.8996

■ 20.3277, 22.7792,
28.1367

■ 10.6037, 13.6335,
26.8839

■ 22.6762, 24.5626,
28.3571

■ 25.3252, 26.5155,
28.5944

■ 28.2859, 28.6438,
28.8492

■ 31.5688, 30.9531,
29.1219

■ 35.1841, 33.4487,
29.4131

Harmonies

Analogous

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



12.8617, 17.2083, 21.3823



13.6862, 17.2083, 27.4111



15.2577, 17.2083, 31.5098

Triad

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



13.6862, 17.2083, 27.4111



20.3572, 17.2083, 22.1432



15.4885, 17.2083, 9.8668

Complementary

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



13.6862, 17.2083, 27.4111



14.0281, 10.7790, 5.3447

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.



17.5057, 17.2083, 9.9877



13.6862, 17.2083, 27.4111



20.4319, 17.2083, 16.3193

Square

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



13.6862, 17.2083, 27.4111



19.1559, 17.2083, 28.0660



19.3521, 17.2083, 12.1180



13.8431, 17.2083, 11.7448

Rectangle

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



13.6862, 17.2083, 27.4111



16.5708, 17.2083, 32.1641



19.3521, 17.2083, 12.1180



16.1430, 17.2083, 9.6886

Sweetspot

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



13.6867, 17.2089, 27.4115



35.9119, 40.2172, 49.6129



12.3272, 20.1376, 9.5470



8.0443, 9.0882, 11.4096



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.



13.6867, 17.2089, 27.4115



21.8265, 28.0165, 48.0003



9.6468, 9.1291, 26.0649



5.0913, 5.5256, 6.4041



9.4354, 12.1411, 23.8919



0.0725, 0.1003, 0.1620

Inverse Universe

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



15.9668, 10.0573, 20.1692



26.4297, 14.9088, 33.0804



17.6004, 17.9236, 6.5355



5.1927, 5.1125, 6.1034



12.2494, 6.0099, 14.3494



0.0863, 0.0419, 0.1214

Previews

White Background



This preview shows how the XYZ color 13.6862, 17.2083, 27.4111 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 13.6862, 17.2083, 27.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

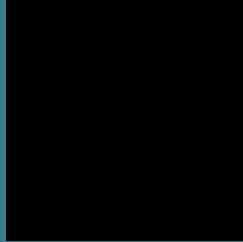
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6862, 17.2083, 27.4111

Background



This preview shows how black text looks on a background with the XYZ color 13.6862, 17.2083, 27.4111.

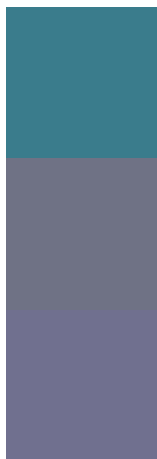


This preview shows how white text looks on a background with the XYZ color 13.6862, 17.2083,

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

13.6862, 17.2083, 27.4111

Protanopia

16.8065, 17.1076, 24.6066

Deuteranopia

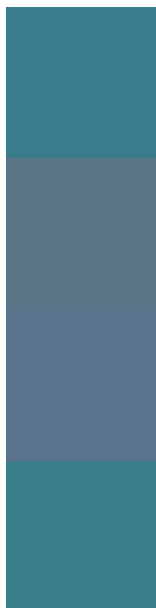
17.4342, 17.0163, 28.3522



Tritanopia

13.3377, 17.2573, 25.5497

Trichromacy



Original Color

13.6862, 17.2083, 27.4111

Protanomaly

15.3360, 17.0098, 25.7675

Deuteranomaly

15.5415, 16.7191, 27.9992

Tritanomaly

13.5363, 17.3432, 26.3010

Monochromacy



Original Color

13.6862, 17.2083, 27.4111

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2950, 15.2421, 19.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6862, 17.2083, 27.4111 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(58, 124, 140)` looks like.

```
.text, #text, p{  
    color:rgb(58, 124, 140)  
}
```

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(58, 124, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 124, 140) }
```

Border

The CSS property to change the border of an element to XYZ 13.6862, 17.2083, 27.4111 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(58, 124, 140) }
```


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

```
.border{ border-color:rgb(58, 124, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 124, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 124, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 124, 140);  
box-shadow:4px 4px 4px 4px rgb(58, 124,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6862, 17.2083, 27.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 124, 140) }
```

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

```
.background{ background-color: rgb(58, 124,  
140) }
```

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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