

Converting Colors

XYZ(13.3910, 17.5941, 18.1495)

Have a look what the booklet for
XYZ(13.3910, 17.5941, 18.1495)
contains.

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Color

**XYZ(13.3660, 17.6281,
18.0273)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7E70
RGB	76, 126, 112
RGB Percent	30%, 49%, 44%
CMY	0.7020, 0.5059, 0.5608
CMYK	0.40, 0.00, 0.11, 0.51
HSL	163°, 25%, 40%
HSV	163°, 40%, 49%
XYZ	13.3660, 17.6281, 18.0273
YIQ	109.4540, -25.3060, -14.9540

Conversions

Conversions Part 2

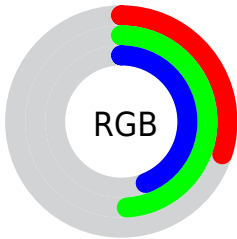
Format	Color
RYB	76, 105, 126
Decimal	5013104
CIELab	49.04, -20.34, 2.32
CIELCh	49, 20.474, 173.494
Yxy	17.6281, 0.2727, 0.3596
Android (android.graphics.Color)	4283203184 (0xFF4C7E70)
YUV	109.4540, 1.2552, -29.3392
Hunter-Lab	41.9858, -16.6505, 3.9330

Details

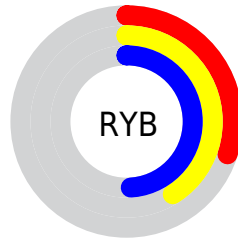
The XYZ color **13.3660, 17.6281, 18.0273** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0347, 10.3432, 10.9831**, and the grayscale version is **14.6670, 15.4309, 16.8042**.

A 20% lighter version of the original color is **31.5733, 39.4326, 41.0691**, and **4.0053, 5.8975, 5.7777** is the 20% darker color. If you saturate the color by 10%, you get **12.2688, 17.0852, 16.9707**, and if you desaturate by 10%, it is **14.6680, 18.2766, 19.1345**.

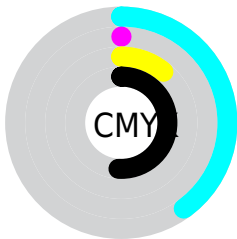
Distribution



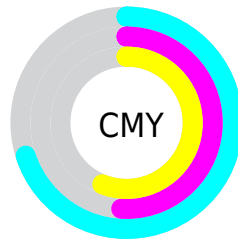
- Red (30%)
- Green (49%)
- Blue (44%)



- Red (30%)
- Yellow (41%)
- Blue (49%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (51%)



- Cyan (70%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3660, 17.6281, 18.0273 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 13.3660, 17.6281, 18.0273 by changing the saturation by 10% instead.

■ 13.3660, 17.6281,
18.0273

■ 13.3660, 17.6281,
18.0273

206.8407,
238.7664, 253.2662

■ 7.7598, 10.6833,
10.7999

■ 31.5555, 39.4026,
40.8984

■ 3.9921, 5.8543,
5.8200

■ 44.8695, 55.0011,
57.3792

■ 1.6977, 2.7567,
2.6689

■ 61.4835, 74.2529,
77.7816

■ 0.4548, 1.0061,
0.9277

■ 81.7629, 97.5425,
102.5242

■ 0.0000, 0.0000,
0.0000

■ 106.0729,
125.2543, 132.0253

134.7790,

157.7726, 166.7037

168.2465,
195.4818, 206.9778

■ 13.3660, 17.6281,
18.0273

■ 13.3660, 17.6281,
18.0273

■ 12.2688, 17.0852,
16.9707

■ 14.6680, 18.2766,
19.1345

■ 11.3634, 16.6398,
15.9624

■ 16.1839, 19.0341,
20.2919

■ 10.6373, 16.2860,
15.0018

■ 17.9243, 19.9063,
21.5010

■ 10.0763, 16.0165,
14.0878

■ 19.8982, 20.8980,
22.7624

■ 9.6637, 15.8225,
13.2190

■ 22.1145, 22.0137,
24.0772

■ 9.3472, 15.6774,
12.3926

■ 24.5815, 23.2578,
25.4461

■ 9.3374, 15.6728,
12.3669

■ 27.3069, 24.6341,
26.8699

■ 30.2985, 26.1467,
28.3492

■ 33.5633, 27.7991,
29.8850

Harmonies

Analogous

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



13.9742, 17.6281, 13.5944



13.3660, 17.6281, 18.0273



13.6089, 17.6281, 23.6975

Triad

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



13.3660, 17.6281, 18.0273



18.2614, 17.6281, 30.5400



19.0350, 17.6281, 11.9231

Complementary

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



13.3660, 17.6281, 18.0273



13.0347, 10.3432, 10.9831

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.



20.3520, 17.6281, 15.3006



13.3660, 17.6281, 18.0273



19.8822, 17.6281, 26.1522

Square

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



13.3660, 17.6281, 18.0273



16.3425, 17.6281, 31.6487



20.6732, 17.6281, 20.4100



17.1744, 17.6281, 10.5289

Rectangle

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



13.3660, 17.6281, 18.0273



14.2306, 17.6281, 27.3773



20.6732, 17.6281, 20.4100



19.5616, 17.6281, 12.8293

Sweetspot

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



13.3665, 17.6288, 18.0277



30.7145, 34.6191, 37.2830



12.9986, 17.6263, 9.5549



6.9153, 7.8389, 8.4319



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.



13.3665, 17.6288, 18.0277



21.6941, 30.1213, 29.9729



12.8967, 15.3431, 22.0213



4.3967, 4.8670, 5.2601



9.5770, 16.0774, 12.6771



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0347, 10.3432, 10.9831



21.0264, 15.3406, 15.7077



13.3040, 11.7474, 8.4041



4.3734, 4.3625, 4.7710



9.1410, 4.6761, 2.0662



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3660, 17.6281, 18.0273 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 13.3660, 17.6281, 18.0273 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

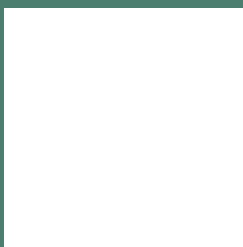
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3660, 17.6281, 18.0273

Background



This preview shows how black text looks on a background with the XYZ color 13.3660, 17.6281, 18.0273.

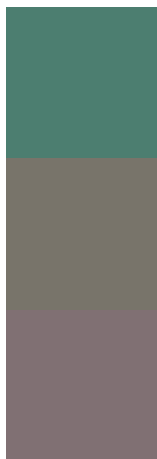


This preview shows how white text looks on a background with the XYZ color 13.3660, 17.6281,

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

13.3660, 17.6281, 18.0273

Protanopia

16.5926, 17.5245, 16.1437

Deuteranopia

17.7908, 17.4153, 18.6435



Tritanopia

14.7099, 17.6087, 24.8138

Trichromacy



Original Color

13.3660, 17.6281, 18.0273

Protanomaly

15.1322, 17.4587, 16.7597

Deuteranomaly

15.7052, 17.1887, 18.4096

Tritanomaly

14.1338, 17.5582, 22.0462

Monochromacy



Original Color

13.3660, 17.6281, 18.0273

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8750, 15.9286, 17.0951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3660, 17.6281, 18.0273 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(76, 126, 112)` looks like.

```
.text, #text, p{  
    color:rgb(76, 126, 112)  
}
```

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(76, 126, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 126, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.3660, 17.6281, 18.0273 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(76, 126, 112) }
```


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

```
.border{ border-color:rgb(76, 126, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 126, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 126, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 126, 112);  
box-shadow:4px 4px 4px 4px rgb(76, 126,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3660, 17.6281, 18.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 126, 112) }
```

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

```
.background{ background-color: rgb(76, 126,  
112) }
```

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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