

Converting Colors

XYZ(10.4555, 14.2714, 18.1464)

Have a look what the booklet for
XYZ(10.4555, 14.2714, 18.1464)
contains.

XYZ(10.4549, 14.3100, 18.1307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.4549, 14.3100,
18.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7472
RGB	47, 116, 114
RGB Percent	18%, 45%, 45%
CMY	0.8157, 0.5451, 0.5529
CMYK	0.59, 0.00, 0.02, 0.55
HSL	178°, 42%, 32%
HSV	178°, 59%, 45%
XYZ	10.4549, 14.3100, 18.1307
YIQ	95.1410, -40.4820, -15.2500

Conversions

Conversions Part 2

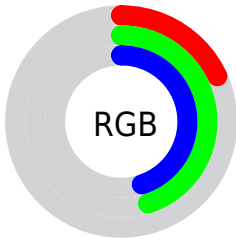
Format	Color
R_{YB}	47, 82, 116
Decimal	3110002
CIE Lab	44.67, -21.96, -5.42
CIE LCh	45, 22.617, 193.866
Yxy	14.3100, 0.2437, 0.3336
Android (android.graphics.Color)	4281300082 (0xFF2F7472)
YUV	95.1410, 9.2975, -42.2197
Hunter-Lab	37.8286, -16.8669, -1.9369

Details

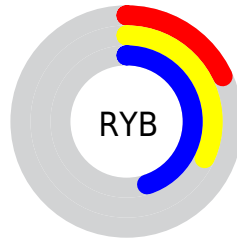
The XYZ color **10.4549, 14.3100, 18.1307** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.7738, 5.9681, 3.5956**, and the grayscale version is **10.8967, 11.4642, 12.4845**.

A 20% lighter version of the original color is **26.2524, 33.5251, 41.1637**, and **2.9905, 4.4077, 5.8474** is the 20% darker color. If you saturate the color by 10%, you get **9.9707, 14.0629, 18.0086**, and if you desaturate by 10%, it is **11.0823, 14.6315, 18.2605**.

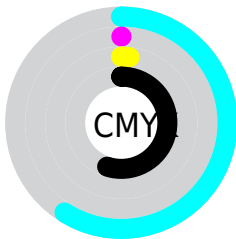
Distribution



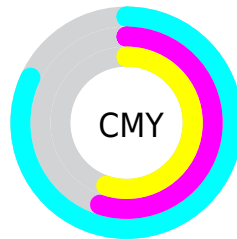
- Red (18%)
- Green (45%)
- Blue (45%)



- Red (18%)
- Yellow (32%)
- Blue (45%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (55%)



- Cyan (82%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4549, 14.3100, 18.1307 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 10.4549, 14.3100, 18.1307 by changing the saturation by 10% instead.

10.4549, 14.3100,
18.1307

10.4549, 14.3100,
18.1307

187.8752,
219.1509, 253.8675

5.7662, 8.3366,
10.8735

26.2897, 33.6381,
41.0769

2.7427, 4.3111,
5.8687

38.1664, 47.7615,
57.6028

1.0192, 1.8490,
2.6979

53.1698, 65.3704,
78.0555

0.0000, 0.5175,
0.9424

71.6654, 86.8492,
102.8533

0.0000, 0.0000,
0.0000

94.0183, 112.5823,
132.4149

120.5940,

142.9540, 167.1588

151.7579,
178.3487, 207.5035

■ 10.4549, 14.3100,
18.1307

■ 10.4549, 14.3100,
18.1307

■ 9.9707, 14.0629,
18.0086

■ 11.0823, 14.6315,
18.2605

■ 9.6168, 13.8827,
17.8926

■ 11.8618, 15.0312,
18.3975

■ 9.3802, 13.7629,
17.7825

■ 12.8033, 15.5143,
18.5425

■ 9.2144, 13.6796,
17.6760

■ 13.9152, 16.0853,
18.6958

■ 9.2059, 13.6753,
17.6705

■ 15.2057, 16.7483,
18.8578

■ 16.6821, 17.5071,
19.0289

■ 18.3515, 18.3655,
19.2094

■ 20.2206, 19.3268,
19.3996

■ 22.2958, 20.3943,
19.5998

Harmonies

Analogous

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



10.4853, 14.3100, 12.9381



10.4549, 14.3100, 18.1307



11.2124, 14.3100, 23.6860

Triad

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



10.4549, 14.3100, 18.1307



16.1960, 14.3100, 24.0620



14.6056, 14.3100, 7.7498

Complementary

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



10.4549, 14.3100, 18.1307



8.7738, 5.9681, 3.5956

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.



16.3073, 14.3100, 9.5748



10.4549, 14.3100, 18.1307



17.2804, 14.3100, 18.5616

Square

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



10.4549, 14.3100, 18.1307



14.4645, 14.3100, 27.5963



17.3228, 14.3100, 13.2826



12.7730, 14.3100, 7.6850

Rectangle

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



10.4549, 14.3100, 18.1307



12.1054, 14.3100, 26.5290



17.3228, 14.3100, 13.2826



15.2155, 14.3100, 8.1554

Sweetspot

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



10.4553, 14.3105, 18.1310



24.6776, 28.3860, 32.8912



8.0400, 13.3570, 4.8440



5.7676, 6.7104, 7.8309



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4553, 14.3105, 18.1310



17.2954, 24.6016, 31.5859



7.4799, 8.1754, 17.7074



3.7789, 4.1535, 4.6698



10.3295, 15.3458, 19.8233



50.2798, 74.7592, 96.2994

Inverse Universe

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



8.7738, 5.9681, 3.5956



14.0553, 8.5038, 3.5613



10.5264, 9.5396, 3.9761



3.6878, 3.7024, 3.8830



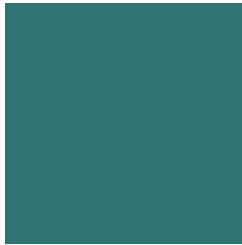
8.1022, 4.1746, 0.4807



39.4282, 20.3214, 2.0524

Previews

White Background



This preview shows how the XYZ color 10.4549, 14.3100, 18.1307 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 10.4549, 14.3100, 18.1307 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 10.4549, 14.3100, 18.1307

Background



This preview shows how black text looks on a background with the XYZ color 10.4549, 14.3100, 18.1307.



This preview shows how white text looks on a background with the XYZ color 10.4549, 14.3100,

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

10.4549, 14.3100, 18.1307

Protanopia

13.6493, 14.2289, 15.9370

Deuteranopia

14.3927, 14.1021, 18.7930



Tritanopia

11.1341, 14.4205, 21.2654

Trichromacy



Original Color

10.4549, 14.3100, 18.1307

Protanomaly

12.0294, 13.9944, 16.8190

Deuteranomaly

12.3406, 13.8026, 18.5367

Tritanomaly

10.8363, 14.2956, 19.9575

Monochromacy



Original Color

10.4549, 14.3100, 18.1307

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3904, 12.2795, 14.3929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4549, 14.3100, 18.1307 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(47, 116, 114)` looks like.

```
.text, #text, p{  
    color:rgb(47, 116, 114)  
}
```

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(47, 116, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 116, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.4549, 14.3100, 18.1307 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(47, 116, 114) }
```


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

```
.border{ border-color:rgb(47, 116, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 116, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 116, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 116, 114);  
box-shadow:4px 4px 4px 4px rgb(47, 116,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4549, 14.3100, 18.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 116, 114) }
```

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

```
.background{ background-color: rgb(47, 116,  
114) }
```

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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