

Converting Colors

XYZ(15.8736, 18.6593, 29.9591)

Have a look what the booklet for
XYZ(15.8736, 18.6593, 29.9591)
contains.

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Color

**XYZ(15.8736, 18.6593,
29.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	4F7E92
RGB	79, 126, 146
RGB Percent	31%, 49%, 57%
CMY	0.6902, 0.5059, 0.4274
CMYK	0.46, 0.14, 0.00, 0.43
HSL	198°, 30%, 44%
HSV	198°, 46%, 57%
XYZ	15.8736, 18.6593, 29.9591
YIQ	114.2270, -34.4320, -3.7440

Conversions

Conversions Part 2

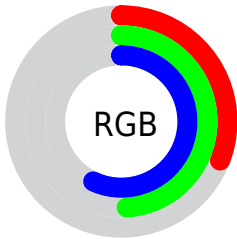
Format	Color
R_{YB}	79, 107, 146
Decimal	5209746
CIE _{Lab}	50.29, -10.37, -15.80
CIE _{LCh}	50, 18.895, 236.720
Yxy	18.6593, 0.2461, 0.2893
Android (android.graphics.Color)	4283399826 (0xFF4F7E92)
YUV	114.2270, 15.6641, -30.8941
Hunter-Lab	43.1964, -9.9994, -10.8834

Details

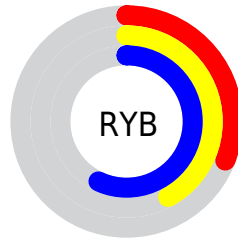
The XYZ color **15.8736, 18.6593, 29.9591** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7276, 15.5996, 9.4743**, and the grayscale version is **16.0247, 16.8592, 18.3597**.

A 20% lighter version of the original color is **36.0611, 41.3159, 60.7177**, and **5.1203, 6.3407, 11.7805** is the 20% darker color. If you saturate the color by 10%, you get **14.2449, 17.0107, 29.7271**, and if you desaturate by 10%, it is **17.7945, 20.4954, 30.2126**.

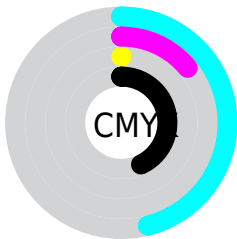
Distribution



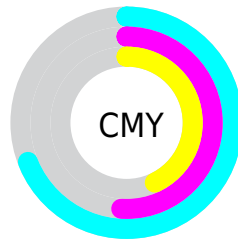
- Red (31%)
- Green (49%)
- Blue (57%)



- Red (31%)
- Yellow (42%)
- Blue (57%)



- Cyan (46%)
- Magenta (14%)
- Yellow (0%)
- Black (43%)



- Cyan (69%)
- Magenta (51%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8736, 18.6593, 29.9591 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 15.8736, 18.6593, 29.9591 by changing the saturation by 10% instead.

■ 15.8736, 18.6593,
29.9591

■ 15.8736, 18.6593,
29.9591

■ 221.8798,
244.5614, 315.9151

■ 9.5250, 11.4244,
19.5558

■ 35.9379, 41.1576,
60.6577

■ 5.1450, 6.3530,
11.8917

■ 50.3842, 57.1897,
81.7901

■ 2.3682, 3.0609,
6.5483

■ 68.2606, 76.9231,
107.3359

■ 0.8292, 1.1636,
3.1071

■ 89.9324, 100.7420,
137.7137

■ 0.0000, 0.0317,
1.1496

■ 115.7648,
129.0309, 173.3419

■ 0.0000, 0.0000,
0.0000

146.1232,

162.1742, 214.6392

181.3731,
200.5562, 262.0241

■ 15.8736, 18.6593,
29.9591

■ 15.8736, 18.6593,
29.9591

■ 14.2449, 17.0107,
29.7271

■ 17.7945, 20.4954,
30.2126

■ 12.8887, 15.5378,
29.5142

■ 20.0222, 22.5257,
30.4871

■ 11.7855, 14.2304,
29.3200

■ 22.5723, 24.7592,
30.7838

■ 10.9122, 13.0762,
29.1433

■ 25.4589, 27.2035,
31.1034

■ 10.2352, 12.0574,
28.9823

■ 28.6952, 29.8658,
31.4467

■ 9.9812, 11.6609,
28.9192

■ 32.2937, 32.7531,
31.8144

■ 36.2661, 35.8717,
32.2070

■ 40.6238, 39.2279,
32.6251

■ 45.3775, 42.8277,
33.0694

Harmonies

Analogous

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



14.7743, 18.6593, 25.1929



15.8736, 18.6593, 29.9591



17.5346, 18.6593, 32.1291

Triad

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



15.8736, 18.6593, 29.9591



21.4849, 18.6593, 20.8988



16.1996, 18.6593, 12.5798

Complementary

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



15.8736, 18.6593, 29.9591



17.7276, 15.5996, 9.4743

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.



17.9372, 18.6593, 11.8256



15.8736, 18.6593, 29.9591



21.0672, 18.6593, 16.1144

Square

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



15.8736, 18.6593, 29.9591



20.8422, 18.6593, 26.3630



19.7367, 18.6593, 13.0032



14.9532, 18.6593, 15.2738

Rectangle

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



15.8736, 18.6593, 29.9591



18.7668, 18.6593, 31.5764



19.7367, 18.6593, 13.0032



16.7420, 18.6593, 12.1134

Sweetspot

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



15.8742, 18.6600, 29.9595



40.5966, 44.3444, 54.3932



15.7076, 23.1020, 15.1829



8.8229, 9.6860, 12.0768



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.8742, 18.6600, 29.9595



25.0706, 29.9470, 52.4325



12.3731, 11.6579, 28.7925



5.8195, 6.2729, 7.3738



8.8033, 10.3014, 25.4554



0.1335, 0.1777, 0.3202

Inverse Universe

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



18.4164, 13.2098, 21.3185



30.3013, 19.7231, 34.4317



21.4471, 23.0387, 10.7142



5.9623, 5.8800, 6.9077



12.5706, 6.2333, 11.7517



0.1669, 0.0815, 0.2124

Previews

White Background



This preview shows how the XYZ color 15.8736, 18.6593, 29.9591 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8736, 18.6593, 29.9591 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 15.8736, 18.6593, 29.9591

Background



This preview shows how black text looks on a background with the XYZ color 15.8736, 18.6593, 29.9591.



This preview shows how white text looks on a background with the XYZ color 15.8736, 18.6593,

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

15.8736, 18.6593, 29.9591

Protanopia

18.3564, 18.5248, 27.8075

Deuteranopia

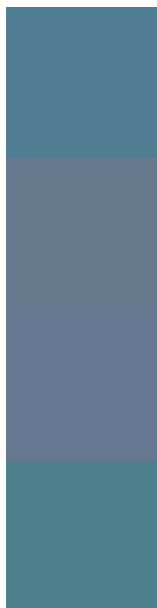
18.9090, 18.5737, 30.6054



Tritanopia

15.1573, 18.5502, 26.8264

Trichromacy



Original Color

15.8736, 18.6593, 29.9591

Protanomaly

17.2748, 18.4827, 28.6436

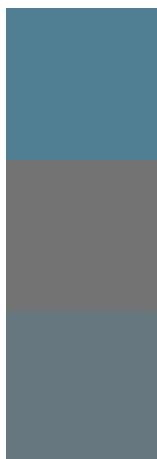
Deuteranomaly

17.5764, 18.4231, 30.2334

Tritanomaly

15.4577, 18.6796, 27.9901

Monochromacy



Original Color

15.8736, 18.6593, 29.9591

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6112, 17.2299, 22.2416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8736, 18.6593, 29.9591 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(79, 126, 146)` looks like.

```
.text, #text, p{  
    color:rgb(79, 126, 146)  
}
```

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(79, 126, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 126, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.8736, 18.6593, 29.9591 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(79, 126, 146) }
```


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

```
.border{ border-color:rgb(79, 126, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 126, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 126, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 126, 146);  
box-shadow:4px 4px 4px 4px rgb(79, 126,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8736, 18.6593, 29.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 126, 146) }
```

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

```
.background{ background-color: rgb(79, 126,  
146) }
```

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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