

Converting Colors

XYZ(16.2374, 18.3925, 28.5344)

Have a look what the booklet for
XYZ(16.2374, 18.3925, 28.5344)
contains.

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Color

**XYZ(16.2573, 18.3227,
28.6664)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7B8F
RGB	90, 123, 143
RGB Percent	35%, 48%, 56%
CMY	0.6471, 0.5176, 0.4392
CMYK	0.37, 0.14, 0.00, 0.44
HSL	203°, 23%, 46%
HSV	203°, 37%, 56%
XYZ	16.2573, 18.3227, 28.6664
YIQ	115.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

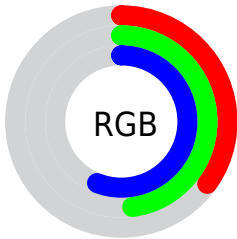
Format	Color
R_{YB}	90, 110, 143
Decimal	5929871
CIE _{Lab}	49.89, -6.44, -14.59
CIE _{LCh}	50, 15.947, 246.186
Yxy	18.3227, 0.2570, 0.2897
Android (android.graphics.Color)	4284119951 (0xFF5A7B8F)
YUV	115.4130, 13.6004, -22.2872
Hunter-Lab	42.8050, -7.1147, -9.7428

Details

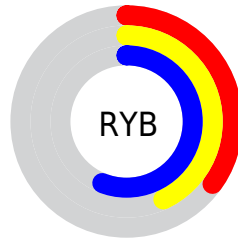
The XYZ color **16.2573, 18.3227, 28.6664** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.7494, 17.7300, 12.1074**, and the grayscale version is **16.3872, 17.2406, 18.7750**.

A 20% lighter version of the original color is **36.5633, 40.4419, 58.7023**, and **5.2996, 6.1390, 11.2615** is the 20% darker color. If you saturate the color by 10%, you get **14.3470, 16.3718, 28.3908**, and if you desaturate by 10%, it is **18.4733, 20.4868, 28.9676**.

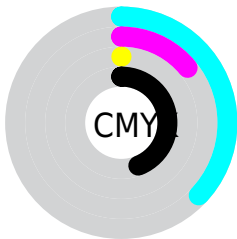
Distribution



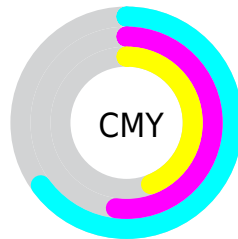
- Red (35%)
- Green (48%)
- Blue (56%)



- Red (35%)
- Yellow (43%)
- Blue (56%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2573, 18.3227, 28.6664 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 16.2573, 18.3227, 28.6664 by changing the saturation by 10% instead.

■ 16.2573, 18.3227,
28.6664

■ 16.2573, 18.3227,
28.6664

224.0959,
242.6837, 309.6492

■ 9.7984, 11.1819,
18.5852

■ 36.5982, 40.5864,
58.5825

■ 5.3267, 6.1893,
11.1972

■ 51.2108, 56.4782,
79.2545

■ 2.4769, 2.9605,
6.0838

■ 69.2722, 76.0557,
104.2938

■ 0.8836, 1.1112,
2.8265

■ 91.1475, 99.7034,
134.1189

■ 0.0000, 0.0000,
1.0067

117.2022,
127.8056, 169.1485

■ 0.0000, 0.0000,
0.0000

147.8016,

160.7468, 209.8011

183.3110,
198.9114, 256.4951

■ 16.2573, 18.3227,
28.6664

■ 16.2573, 18.3227,
28.6664

■ 14.3470, 16.3718,
28.3908

■ 18.4733, 20.4868,
28.9676

■ 12.7247, 14.6229,
28.1388

■ 21.0080, 22.8704,
29.2941

■ 11.3733, 13.0666,
27.9096

■ 23.8756, 25.4822,
29.6471

■ 10.2732, 11.6920,
27.7023

■ 27.0893, 28.3296,
30.0273

■ 9.4018, 10.4864,
27.5155

■ 30.6610, 31.4196,
30.4355

■ 8.7198, 9.4287,
27.3473

■ 34.6023, 34.7592,
30.8724

■ 8.5337, 9.1347,
27.3003

■ 38.9244, 38.3546,
31.3386

■ 43.6376, 42.2120,
31.8347

■ 48.7523, 46.3375,
32.3615

Harmonies

Analogous

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



15.1531, 18.3227, 25.3334



16.2573, 18.3227, 28.6664



17.7332, 18.3227, 29.5233

Triad

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



16.2573, 18.3227, 28.6664



20.4977, 18.3227, 19.0585



15.7399, 18.3227, 13.9084

Complementary

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



16.2573, 18.3227, 28.6664



18.7494, 17.7300, 12.1074

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.



17.1009, 18.3227, 12.7088



16.2573, 18.3227, 28.6664



19.8919, 18.3227, 15.3895

Square

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



16.2573, 18.3227, 28.6664



20.2394, 18.3227, 23.5386



18.6268, 18.3227, 13.2086



14.8667, 18.3227, 16.7466

Rectangle

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



16.2573, 18.3227, 28.6664



18.7421, 18.3227, 28.4796



18.6268, 18.3227, 13.2086



16.1524, 18.3227, 13.3206

Sweetspot

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



16.2579, 18.3234, 28.6668



40.5412, 43.6328, 52.8233



16.8230, 22.9325, 18.1308



9.1559, 9.8775, 12.0962



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.



16.2579, 18.3234, 28.6668



26.3781, 30.0330, 50.9447



13.4557, 12.7190, 27.7328



5.3916, 5.7789, 6.8600



7.5659, 8.1178, 24.1452



0.0936, 0.1202, 0.2379

Inverse Universe

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



18.5595, 14.5825, 20.5761



31.1979, 22.7825, 33.8707



21.9683, 24.1678, 13.1803



5.5411, 5.4770, 6.3476



11.6220, 5.8058, 8.9269



0.1219, 0.0598, 0.1419

Previews

White Background



This preview shows how the XYZ color 16.2573, 18.3227, 28.6664 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 16.2573, 18.3227, 28.6664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

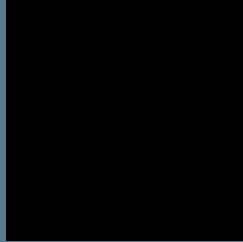
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2573, 18.3227, 28.6664

Background



This preview shows how black text looks on a background with the XYZ color 16.2573, 18.3227, 28.6664.



This preview shows how white text looks on a background with the XYZ color 16.2573, 18.3227,

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

16.2573, 18.3227, 28.6664

Protanopia

17.9609, 18.1641, 26.9855

Deuteranopia

18.6923, 18.3170, 29.3384



Tritanopia

15.5352, 18.2112, 25.2506

Trichromacy



Original Color

16.2573, 18.3227, 28.6664

Protanomaly

17.1561, 18.0904, 27.3985

Deuteranomaly

17.6943, 18.3331, 28.9916

Tritanomaly

15.8428, 18.3453, 26.3729

Monochromacy



Original Color

16.2573, 18.3227, 28.6664

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1240, 17.5017, 21.9304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2573, 18.3227, 28.6664 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(90, 123, 143)` looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 143)  
}
```

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(90, 123, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.2573, 18.3227, 28.6664 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(90, 123, 143) }
```


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

```
.border{ border-color:rgb(90, 123, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 143);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2573, 18.3227, 28.6664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 143) }
```

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

```
.background{ background-color: rgb(90, 123,  
143) }
```

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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