

Converting Colors

XYZ(12.8962, 16.8427, 25.4929)

Have a look what the booklet for
XYZ(12.8962, 16.8427, 25.4929)
contains.

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Color

**XYZ(12.8962, 16.8427,
25.4929)**

Conversions

Conversions Part 1

Format	Color
Hex	327C87
RGB	50, 124, 135
RGB Percent	20%, 49%, 53%
CMY	0.8039, 0.5137, 0.4706
CMYK	0.63, 0.08, 0.00, 0.47
HSL	188°, 46%, 36%
HSV	188°, 63%, 53%
XYZ	12.8962, 16.8427, 25.4929
YIQ	103.1280, -47.6350, -12.2670

Conversions

Conversions Part 2

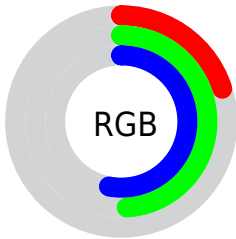
Format	Color
RYB	50, 90, 135
Decimal	3308679
CIELab	48.06, -19.20, -12.82
CIElCh	48, 23.084, 213.729
Yxy	16.8427, 0.2335, 0.3049
Android (android.graphics.Color)	4281498759 (0xFF327C87)
YUV	103.1280, 15.7129, -46.5933
Hunter-Lab	41.0399, -15.7286, -8.1015

Details

The XYZ color **12.8962, 16.8427, 25.4929** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2365, 8.7190, 4.0561**, and the grayscale version is **12.8953, 13.5668, 14.7743**.

A 20% lighter version of the original color is **30.7431, 38.1393, 53.3182**, and **4.1558, 5.6880, 9.4732** is the 20% darker color. If you saturate the color by 10%, you get **12.1094, 16.1153, 25.3943**, and if you desaturate by 10%, it is **13.8843, 17.6803, 25.6028**.

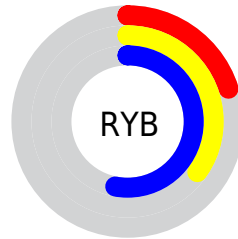
Distribution



Red (20%)

Green (49%)

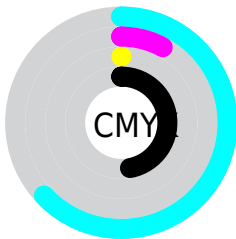
Blue (53%)



Red (20%)

Yellow (35%)

Blue (53%)

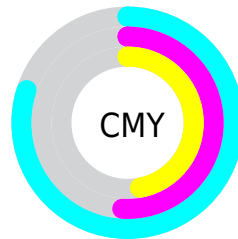


Cyan (63%)

Magenta (8%)

Yellow (0%)

Black (47%)



Cyan (80%)

Magenta (51%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8962, 16.8427, 25.4929 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 12.8962, 16.8427, 25.4929 by changing the saturation by 10% instead.

■ 12.8962, 16.8427,
25.4929

■ 12.8962, 16.8427,
25.4929

■ 203.9024,
234.2643, 293.8097

■ 7.4336, 10.1224,
16.2223

■ 30.7201, 38.0551,
53.4297

■ 3.7835, 5.4802,
9.5255

■ 43.8121, 53.3160,
72.9330

■ 1.5804, 2.5317,
4.9841

■ 60.1779, 72.1926,
96.6844

■ 0.3796, 0.8924,
2.1793

■ 80.1830, 95.0693,
125.1022

■ 0.0000, 0.0000,
0.6624

■ 104.1926,
122.3303, 158.6051

■ 0.0000, 0.0000,
0.0000

■ 132.5722,

154.3603, 197.6116

165.6870,
191.5435, 242.5403

■ 12.8962, 16.8427,
25.4929

■ 12.8962, 16.8427,
25.4929

■ 12.1094, 16.1153,
25.3943

■ 13.8843, 17.6803,
25.6028

■ 11.5044, 15.4870,
25.3049

■ 15.0877, 18.6344,
25.7235

■ 11.0606, 14.9475,
25.2242

■ 16.5212, 19.7129,
25.8562

■ 10.7966, 14.5961,
25.1702

■ 18.1976, 20.9224,
26.0013

■ 20.1288, 22.2693,
26.1594

■ 22.3261, 23.7591,
26.3312

■ 24.7998, 25.3974,
26.5170

■ 27.5599, 27.1893,
26.7174

■ 30.6158, 29.1397,
26.9328

Harmonies

Analogous

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



12.3271, 16.8427, 19.0968



12.8962, 16.8427, 25.4929



14.2964, 16.8427, 30.7024

Triad

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



12.8962, 16.8427, 25.4929



19.8852, 16.8427, 23.9135



15.7488, 16.8427, 9.0915

Complementary

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



12.8962, 16.8427, 25.4929



12.2365, 8.7190, 4.0561

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.



17.8521, 16.8427, 9.8399



12.8962, 16.8427, 25.4929



20.3583, 16.8427, 17.6012

Square

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



12.8962, 16.8427, 25.4929



18.3428, 16.8427, 29.6601



19.5851, 16.8427, 12.6666



13.8811, 16.8427, 10.3419

Rectangle

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



12.8962, 16.8427, 25.4929



15.5739, 16.8427, 32.3071



19.5851, 16.8427, 12.6666



16.4511, 16.8427, 9.1194

Sweetspot

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



12.8967, 16.8433, 25.4933



33.7573, 38.2916, 46.6602



10.7932, 18.3318, 7.2334



7.6237, 8.7313, 10.7898



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.8967, 16.8433, 25.4933



21.1331, 28.3045, 45.3978



8.7505, 8.5508, 24.1112



4.7516, 5.1789, 5.9499



9.9625, 13.4728, 23.2121



0.0381, 0.0538, 0.0816

Inverse Universe

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



14.7708, 8.8878, 20.0065



24.9566, 13.3874, 33.9089



15.3602, 14.9665, 5.0973



4.8327, 4.7527, 5.7311



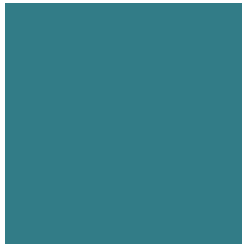
12.2067, 5.9470, 16.1928



0.0441, 0.0213, 0.0655

Previews

White Background



This preview shows how the XYZ color 12.8962, 16.8427, 25.4929 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 12.8962, 16.8427, 25.4929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

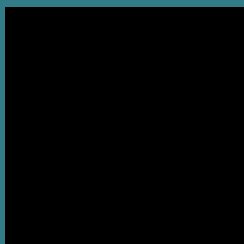
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8962, 16.8427, 25.4929

Background



This preview shows how black text looks on a background with the XYZ color 12.8962, 16.8427, 25.4929.

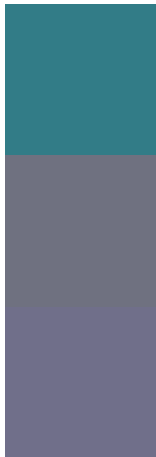


This preview shows how white text looks on a background with the XYZ color 12.8962, 16.8427,

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

12.8962, 16.8427, 25.4929

Protanopia

16.3570, 16.7483, 22.7927

Deuteranopia

16.9540, 16.6486, 26.3647



Tritanopia

12.8261, 16.8146, 25.1238

Trichromacy



Original Color

12.8962, 16.8427, 25.4929

Protanomaly

14.5778, 16.4851, 23.8863

Deuteranomaly

14.8806, 16.4208, 26.0521

Tritanomaly

12.8261, 16.8146, 25.1238

Monochromacy



Original Color

12.8962, 16.8427, 25.4929

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4351, 14.4915, 18.3614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8962, 16.8427, 25.4929 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(50, 124, 135)` looks like.

```
.text, #text, p{  
    color:rgb(50, 124, 135)  
}
```

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(50, 124, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 124, 135) }
```

Border

The CSS property to change the border of an element to XYZ 12.8962, 16.8427, 25.4929 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(50, 124, 135) }
```


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

```
.border{ border-color:rgb(50, 124, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 124, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 124, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 124, 135);  
box-shadow:4px 4px 4px 4px rgb(50, 124,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8962, 16.8427, 25.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 124, 135) }
```

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

```
.background{ background-color: rgb(50, 124,  
135) }
```

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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