

Converting Colors

XYZ(12.8261, 16.8146, 25.1238)

Have a look what the booklet for
XYZ(12.8261, 16.8146, 25.1238)
contains.

XYZ(12.8261, 16.8146, 25.1238)	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(12.8261, 16.8146,
25.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	327C86
RGB	50, 124, 134
RGB Percent	20%, 49%, 53%
CMY	0.8039, 0.5137, 0.4745
CMYK	0.63, 0.07, 0.00, 0.47
HSL	187°, 46%, 36%
HSV	187°, 63%, 53%
XYZ	12.8261, 16.8146, 25.1238
YIQ	103.0140, -47.3140, -12.5780

Conversions

Conversions Part 2

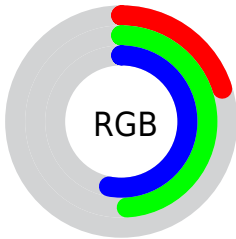
Format	Color
RYB	50, 89, 134
Decimal	3308678
CIELab	48.03, -19.51, -12.28
CIElCh	48, 23.054, 212.188
Yxy	16.8146, 0.2342, 0.3070
Android (android.graphics.Color)	4281498758 (0xFF327C86)
YUV	103.0140, 15.2761, -46.4933
Hunter-Lab	41.0056, -15.9270, -7.6226

Details

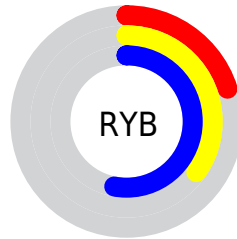
The XYZ color **12.8261, 16.8146, 25.1238** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0235, 8.5308, 4.0310**, and the grayscale version is **12.8662, 13.5362, 14.7409**.

A 20% lighter version of the original color is **30.6356, 38.0963, 52.7524**, and **4.1163, 5.6722, 9.2654** is the 20% darker color. If you saturate the color by 10%, you get **12.0615, 16.1264, 25.0316**, and if you desaturate by 10%, it is **13.7884, 17.6102, 25.2270**.

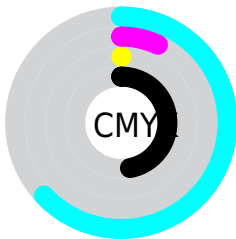
Distribution



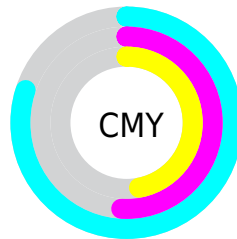
- Red (20%)
- Green (49%)
- Blue (53%)



- Red (20%)
- Yellow (35%)
- Blue (53%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (80%)
- Magenta (51%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8261, 16.8146, 25.1238 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 12.8261, 16.8146, 25.1238 by changing the saturation by 10% instead.

12.8261, 16.8146,
25.1238

12.8261, 16.8146,
25.1238

203.4603,
234.1017, 291.9213

7.3851, 10.1024,
15.9495

30.5950, 38.0067,
52.8246

3.7525, 5.4669,
9.3344

43.6536, 53.2554,
72.1881

1.5631, 2.5237,
4.8602

59.9820, 72.1185,
95.7852

0.3682, 0.8885,
2.1082

79.9458, 94.9802,
124.0342

0.0000, 0.0000,
0.6206

103.9101,
122.2249, 157.3538

0.0000, 0.0000,
0.0000

132.2404,

154.2372, 196.1625

165.3020,
191.4013, 240.8788

■ 12.8261, 16.8146,
25.1238

■ 12.8261, 16.8146,
25.1238

■ 12.0615, 16.1264,
25.0316

■ 13.7884, 17.6102,
25.2270

■ 11.4757, 15.5348,
24.9483

■ 14.9622, 18.5193,
25.3406

■ 11.0485, 15.0297,
24.8733

■ 16.3618, 19.5497,
25.4657

■ 10.7874, 14.6897,
24.8214

■ 17.9999, 20.7079,
25.6029

■ 19.8881, 22.0000,
25.7528

■ 22.0375, 23.4315,
25.9158

■ 24.4581, 25.0079,
26.0925

■ 27.1598, 26.7340,
26.2833

■ 30.1518, 28.6149,
26.4886

Harmonies

Analogous

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



12.3042, 16.8146, 18.7497



12.8261, 16.8146, 25.1238



14.1849, 16.8146, 30.4435

Triad

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



12.8261, 16.8146, 25.1238



19.7926, 16.8146, 24.1986



15.8293, 16.8146, 9.0715

Complementary

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



12.8261, 16.8146, 25.1238



12.0235, 8.5308, 4.0310

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.



17.9243, 16.8146, 9.9212



12.8261, 16.8146, 25.1238



20.3275, 16.8146, 17.8737

Square

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



12.8261, 16.8146, 25.1238



18.2118, 16.8146, 29.8329



19.6167, 16.8146, 12.8523



13.9417, 16.8146, 10.2152

Rectangle

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



12.8261, 16.8146, 25.1238



15.4435, 16.8146, 32.1861



19.6167, 16.8146, 12.8523



16.5324, 16.8146, 9.1331

Sweetspot

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



12.8266, 16.8152, 25.1242



32.7506, 37.2018, 45.1929



10.6513, 18.0528, 7.1710



7.2020, 8.2594, 10.1673



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.8266, 16.8152, 25.1242



20.8056, 27.9798, 44.0425



8.6514, 8.4647, 23.7325



4.7556, 5.1868, 5.9513



10.1143, 13.7764, 23.2627



0.0384, 0.0544, 0.0817

Inverse Universe

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



14.6106, 8.8053, 19.9989



24.3634, 13.1490, 33.5650



15.1394, 14.7626, 5.0697



4.8347, 4.7535, 5.7417



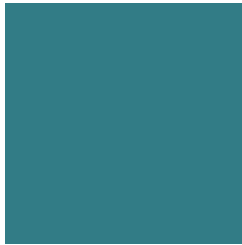
12.2833, 5.9777, 16.5962



0.0442, 0.0214, 0.0663

Previews

White Background



This preview shows how the XYZ color 12.8261, 16.8146, 25.1238 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 12.8261, 16.8146, 25.1238 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 12.8261, 16.8146, 25.1238

Background



This preview shows how black text looks on a background with the XYZ color 12.8261, 16.8146, 25.1238.

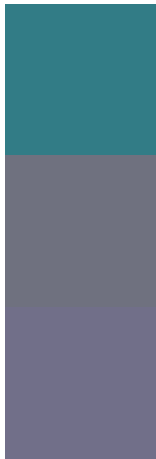


This preview shows how white text looks on a background with the XYZ color 12.8261, 16.8146,

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

12.8261, 16.8146, 25.1238

Protanopia

16.2914, 16.7221, 22.4477

Deuteranopia

17.0098, 16.6857, 25.9911



Tritanopia

12.8261, 16.8146, 25.1238

Trichromacy



Original Color

12.8261, 16.8146, 25.1238

Protanomaly

14.5104, 16.4581, 23.5311

Deuteranomaly

14.9058, 16.4420, 25.6806

Tritanomaly

12.8261, 16.8146, 25.1238

Monochromacy



Original Color

12.8261, 16.8146, 25.1238

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.3779, 14.4686, 18.0599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8261, 16.8146, 25.1238 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(50, 124, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 124, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.8261, 16.8146, 25.1238 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, 134) }
```


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

```
.border{ border-color:rgb(50, 124, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 124, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 124, 134);  
box-shadow:4px 4px 4px 4px rgb(50, 124,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8261, 16.8146, 25.1238 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, 134) }
```

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

```
.background{ background-color: rgb(50, 124,  
134) }
```

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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