

Converting Colors

XYZ(12.2482, 16.7957, 25.6181)

Have a look what the booklet for
XYZ(12.2482, 16.7957, 25.6181)
contains.

XYZ(12.2860, 16.9040, 25.5369)	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(12.2860, 16.9040,
25.5369)**

Conversions

Conversions Part 1

Format	Color
Hex	1B7E87
RGB	27, 126, 135
RGB Percent	11%, 49%, 53%
CMY	0.8941, 0.5059, 0.4706
CMYK	0.80, 0.07, 0.00, 0.47
HSL	185°, 67%, 32%
HSV	185°, 80%, 53%
XYZ	12.2860, 16.9040, 25.5369
YIQ	97.4250, -61.8930, -18.1890

Conversions

Conversions Part 2

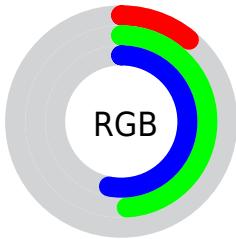
Format	Color
R_{YB}	27, 79, 135
Decimal	1801863
CIE _{Lab}	48.14, -23.65, -12.75
CIE _{LCh}	48, 26.871, 208.337
Yxy	16.9040, 0.2245, 0.3089
Android (android.graphics.Color)	4279991943 (0xFF1B7E87)
YUV	97.4250, 18.5245, -61.7627
Hunter-Lab	41.1145, -18.6102, -8.0459

Details

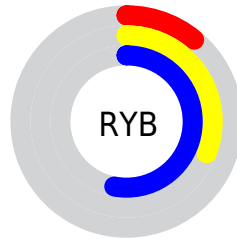
The XYZ color **12.2860, 16.9040, 25.5369** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.8208, 6.4923, 1.7202**, and the grayscale version is **11.4343, 12.0298, 13.1005**.

A 20% lighter version of the original color is **29.6108, 38.1464, 53.3793**, and **4.2241, 5.8248, 9.4960** is the 20% darker color. If you saturate the color by 10%, you get **11.8648, 16.4749, 25.4766**, and if you desaturate by 10%, it is **12.8739, 17.4222, 25.6063**.

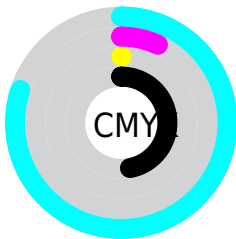
Distribution



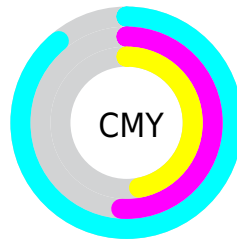
- Red (11%)
- Green (49%)
- Blue (53%)



- Red (11%)
- Yellow (31%)
- Blue (53%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (89%)
- Magenta (51%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2860, 16.9040, 25.5369 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 12.2860, 16.9040, 25.5369 by changing the saturation by 10% instead.

■ 12.2860, 16.9040,
25.5369

■ 12.2860, 16.9040,
25.5369

■ 200.0211,
234.6186, 294.0341

■ 7.0124, 10.1661,
16.2549

■ 29.6273, 38.1606,
53.5018

■ 3.5162, 5.5092,
9.5484

■ 42.4256, 53.4481,
73.0217

■ 1.4323, 2.5490,
4.9989

■ 58.4629, 72.3543,
96.7913

■ 0.2790, 0.9011,
2.1879

■ 78.1045, 95.2635,
125.2292

■ 0.0000, 0.0000,
0.6674

■ 101.7158,
122.5601, 158.7539

■ 0.0000, 0.0000,
0.0000

■ 129.6621,

154.6286, 197.7839

162.3087,
191.8533, 242.7378

■ 12.2860, 16.9040,
25.5369

■ 12.2860, 16.9040,
25.5369

■ 11.8648, 16.4749,
25.4766

■ 12.8739, 17.4222,
25.6063

■ 11.5499, 16.1026,
25.4213

■ 13.6470, 18.0379,
25.6843

■ 11.5498, 16.1024,
25.4213

■ 14.6229, 18.7606,
25.7724

■ 15.8168, 19.5980,
25.8711

■ 17.2423, 20.5573,
25.9812

■ 18.9121, 21.6450,
26.1031

■ 20.8378, 22.8671,
26.2375

■ 23.0304, 24.2292,
26.3848

■ 25.5001, 25.7366,
26.5456

Harmonies

Analogous

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



11.8241, 16.9040, 18.0190



12.2860, 16.9040, 25.5369



13.7309, 16.9040, 32.3502

Triad

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



12.2860, 16.9040, 25.5369



20.3932, 16.9040, 26.3849



16.2031, 16.9040, 7.9879

Complementary

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



12.2860, 16.9040, 25.5369



10.8208, 6.4923, 1.7202

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.



18.6535, 16.9040, 9.1847



12.2860, 16.9040, 25.5369



21.2193, 16.9040, 18.7976

Square

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



12.2860, 16.9040, 25.5369



18.3946, 16.9040, 32.9205



20.5530, 16.9040, 12.7433



13.9440, 16.9040, 8.9420

Rectangle

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



12.2860, 16.9040, 25.5369



15.1382, 16.9040, 34.9206



20.5530, 16.9040, 12.7433



17.0325, 16.9040, 8.1445

Sweetspot

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



12.2865, 16.9046, 25.5373



32.4535, 37.8476, 46.6432



9.4080, 17.6780, 4.4454



7.3029, 8.6259, 10.7864



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.



12.2865, 16.9046, 25.5373



20.8179, 28.9747, 45.5438



7.2612, 6.8539, 23.8622



4.7693, 5.2143, 5.9558



10.6549, 14.8575, 23.4429



0.0393, 0.0563, 0.0820

Inverse Universe

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



14.1499, 7.4416, 20.4299



24.4801, 11.9813, 35.1466



13.6962, 12.2431, 2.6786



4.8416, 4.7563, 5.7782



12.5562, 6.0868, 18.0331



0.0447, 0.0216, 0.0689

Previews

White Background



This preview shows how the XYZ color 12.2860, 16.9040, 25.5369 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 12.2860, 16.9040, 25.5369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

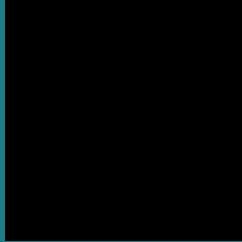
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2860, 16.9040, 25.5369

Background



This preview shows how black text looks on a background with the XYZ color 12.2860, 16.9040, 25.5369.



This preview shows how white text looks on a background with the XYZ color 12.2860, 16.9040,

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

12.2860, 16.9040, 25.5369

Protanopia

16.3531, 16.7614, 22.1120

Deuteranopia

16.9540, 16.6486, 26.3647



Tritanopia

12.3837, 16.9462, 25.9108

Trichromacy



Original Color

12.2860, 16.9040, 25.5369

Protanomaly

13.8342, 16.2912, 23.1842

Deuteranomaly

14.1541, 16.0463, 26.0181

Tritanomaly

12.3837, 16.9462, 25.9108

Monochromacy



Original Color

12.2860, 16.9040, 25.5369

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9043, 13.2505, 17.0218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2860, 16.9040, 25.5369 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(27, 126, 135)` looks like.

```
.text, #text, p{  
    color:rgb(27, 126, 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(27, 126, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 126, 135) }
```

Border

The CSS property to change the border of an element to XYZ 12.2860, 16.9040, 25.5369 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(27, 126, 135) }
```


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

```
.border{ border-color:rgb(27, 126, 135) }
```

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

Here you see how a box with a 4 pixel rgb(27, 126, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 126, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 126, 135);  
box-shadow:4px 4px 4px 4px rgb(27, 126,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2860, 16.9040, 25.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 126, 135) }
```

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

```
.background{ background-color: rgb(27, 126,  
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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