

Converting Colors

XYZ(18.1836, 24.1536, 31.3169)

Have a look what the booklet for
XYZ(18.1836, 24.1536, 31.3169)
contains.

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Color

**XYZ(18.2260, 24.2761,
31.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	469393
RGB	70, 147, 147
RGB Percent	27%, 58%, 58%
CMY	0.7255, 0.4235, 0.4235
CMYK	0.52, 0.00, 0.00, 0.42
HSL	180°, 35%, 43%
HSV	180°, 52%, 58%
XYZ	18.2260, 24.2761, 31.3289
YIQ	123.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

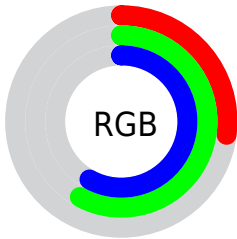
Format	Color
R_{YB}	70, 109, 147
Decimal	4625299
CIE _{Lab}	56.36, -23.58, -7.27
CIE _{LCh}	56, 24.677, 197.138
Yxy	24.2761, 0.2469, 0.3288
Android (android.graphics.Color)	4282815379 (0xFF469393)
YUV	123.9770, 11.3503, -47.3378
Hunter-Lab	49.2708, -20.1940, -3.2101

Details

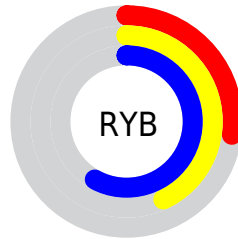
The XYZ color **18.2260, 24.2761, 31.3289** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3291, 11.0264, 7.1157**, and the grayscale version is **19.1256, 20.1216, 21.9124**.

A 20% lighter version of the original color is **39.8867, 50.3503, 62.8747**, and **6.3405, 9.2288, 12.7564** is the 20% darker color. If you saturate the color by 10%, you get **17.2929, 23.7956, 31.2857**, and if you desaturate by 10%, it is **19.4202, 24.8923, 31.3854**.

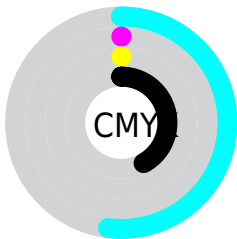
Distribution



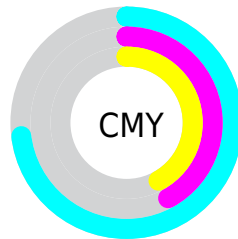
- Red (27%)
- Green (58%)
- Blue (58%)



- Red (27%)
- Yellow (43%)
- Blue (58%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (73%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2260, 24.2761, 31.3289 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 18.2260, 24.2761, 31.3289 by changing the saturation by 10% instead.

■ 18.2260, 24.2761,
31.3289

■ 18.2260, 24.2761,
31.3289

235.1628,
274.2134, 322.4487

■ 11.2130, 15.5386,
20.5889

■ 39.9491, 50.4804,
62.8432

■ 6.2787, 9.1982,
12.6355

■ 55.3900, 68.7159,
84.4545

■ 3.0575, 4.8707,
7.0503

■ 74.3709, 90.8862,
110.5266

■ 1.1843, 2.1716,
3.4146

■ 97.2571, 117.3757,
141.4781

■ 0.0939, 0.7044,
1.3101

■ 124.4141,
148.5688, 177.7275

■ 0.0000, 0.0000,
0.0700

156.2071,

■ 0.0000, 0.0000,

184.8498, 219.6934

0.0000

193.0016,
226.6032, 267.7943

■ 18.2260, 24.2761,
31.3289

■ 18.2260, 24.2761,
31.3289

■ 17.2929, 23.7956,
31.2857

■ 19.4202, 24.8923,
31.3854

■ 16.5993, 23.4381,
31.2531

■ 20.8906, 25.6503,
31.4543

■ 16.1241, 23.1931,
31.2308

■ 22.6538, 26.5593,
31.5370

■ 15.8413, 23.0473,
31.2174

■ 24.7244, 27.6267,
31.6340

■ 15.7005, 22.9747,
31.2108

■ 27.1161, 28.8597,
31.7460

■ 29.8418, 30.2648,
31.8737

■ 32.9136, 31.8484,
32.0175

■ 36.3429, 33.6163,
32.1781

■ 40.1409, 35.5742,
32.3560

Harmonies

Analogous

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



18.1358, 24.2761, 23.0925



18.2260, 24.2761, 31.3289



19.5452, 24.2761, 39.6765

Triad

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



18.2260, 24.2761, 31.3289



27.3253, 24.2761, 38.6016



24.3144, 24.2761, 13.9006

Complementary

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



18.2260, 24.2761, 31.3289



15.3291, 11.0264, 7.1157

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.



27.0032, 24.2761, 16.5222



18.2260, 24.2761, 31.3289



28.8353, 24.2761, 30.0800

Square

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



18.2260, 24.2761, 31.3289



24.7254, 24.2761, 44.4320



28.7127, 24.2761, 22.0749



21.4973, 24.2761, 14.0989

Rectangle

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



18.2260, 24.2761, 31.3289



21.0107, 24.2761, 43.6789



28.7127, 24.2761, 22.0749



25.2675, 24.2761, 14.4542

Sweetspot

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



18.2267, 24.2770, 31.3295



42.7443, 48.6841, 56.5784



14.1594, 22.6609, 9.4228



9.6006, 11.0326, 12.9082



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.2267, 24.2770, 31.3295



30.6978, 42.4739, 56.0137



13.3457, 14.5148, 29.7030



5.9641, 6.5622, 7.4220



13.6111, 19.9172, 27.0572



0.1666, 0.2438, 0.3312

Inverse Universe

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



15.3291, 11.0264, 7.1157



24.9167, 16.0370, 7.7039



18.4193, 17.2068, 8.1455



5.8008, 5.8154, 6.0572



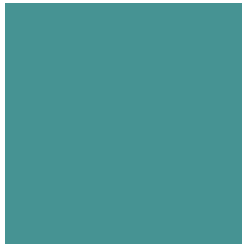
10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 18.2260, 24.2761, 31.3289 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 18.2260, 24.2761, 31.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

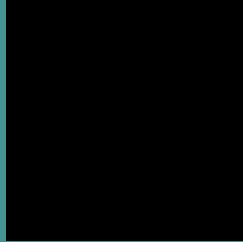
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2260, 24.2761, 31.3289

Background



This preview shows how black text looks on a background with the XYZ color 18.2260, 24.2761, 31.3289.



This preview shows how white text looks on a background with the XYZ color 18.2260, 24.2761,

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

18.2260, 24.2761, 31.3289

Protanopia

23.1770, 24.0652, 27.8496

Deuteranopia

24.4365, 24.0101, 32.2006



Tritanopia

19.0352, 24.1410, 35.5547

Trichromacy



Original Color

18.2260, 24.2761, 31.3289

Protanomaly

20.6706, 23.7977, 29.0951

Deuteranomaly

21.4407, 23.7061, 31.8795

Tritanomaly

18.7763, 24.2741, 33.8328

Monochromacy



Original Color

18.2260, 24.2761, 31.3289

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1250, 21.1115, 24.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2260, 24.2761, 31.3289 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(70, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(70, 147, 147)  
}
```

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(70, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 147, 147) }
```

Border

The CSS property to change the border of an element to XYZ 18.2260, 24.2761, 31.3289 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(70, 147, 147) }
```


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

```
.border{ border-color:rgb(70, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(70, 147,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2260, 24.2761, 31.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 147, 147) }
```

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

```
.background{ background-color: rgb(70, 147,  
147) }
```

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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