

Converting Colors

XYZ(18.1408, 24.5284, 32.3495)

Have a look what the booklet for
XYZ(18.1408, 24.5284, 32.3495)
contains.

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Color

**XYZ(18.0646, 24.4065,
32.1926)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9495
RGB	63, 148, 149
RGB Percent	25%, 58%, 58%
CMY	0.7529, 0.4196, 0.4157
CMYK	0.58, 0.01, 0.00, 0.42
HSL	181°, 41%, 42%
HSV	181°, 58%, 58%
XYZ	18.0646, 24.4065, 32.1926
YIQ	122.6990, -50.9810, -17.7090

Conversions

Conversions Part 2

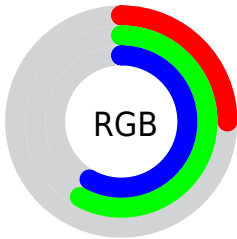
Format	Color
R _{YB}	63, 106, 149
Decimal	4166805
CIE Lab	56.49, -24.99, -8.25
CIE LCh	56, 26.320, 198.270
Yxy	24.4065, 0.2419, 0.3269
Android (android.graphics.Color)	4282356885 (0xFF3F9495)
YUV	122.6990, 12.9664, -52.3560
Hunter-Lab	49.4029, -21.1851, -4.0533

Details

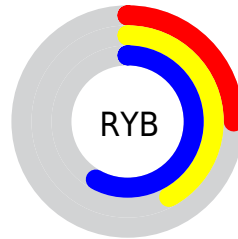
The XYZ color **18.0646, 24.4065, 32.1926** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.1255, 10.4156, 5.9164**, and the grayscale version is **18.6990, 19.6728, 21.4237**.

A 20% lighter version of the original color is **39.6458, 50.5459, 64.1667**, and **6.4793, 9.4312, 13.0342** is the 20% darker color. If you saturate the color by 10%, you get **17.2119, 23.9272, 32.1455**, and if you desaturate by 10%, it is **19.1764, 25.0205, 32.2530**.

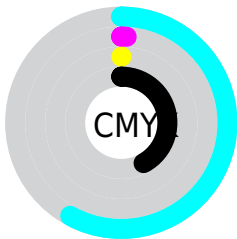
Distribution



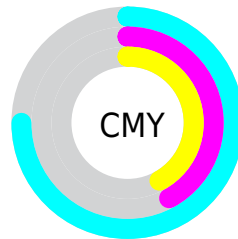
- Red (25%)
- Green (58%)
- Blue (58%)



- Red (25%)
- Yellow (42%)
- Blue (58%)



- Cyan (58%)
- Magenta (1%)
- Yellow (0%)
- Black (42%)



- Cyan (75%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0646, 24.4065, 32.1926 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 18.0646, 24.4065, 32.1926 by changing the saturation by 10% instead.

■ 18.0646, 24.4065,
32.1926

■ 18.0646, 24.4065,
32.1926

234.2735,
274.8692, 326.5154

■ 11.0963, 15.6354,
21.2426

■ 39.6766, 50.6927,
64.2143

■ 6.1994, 9.2666,
13.1085

■ 55.0510, 68.9767,
86.1231

■ 3.0085, 4.9155,
7.3717

■ 73.9583, 91.2004,
112.5220

■ 1.1583, 2.1977,
3.6137

■ 96.7636, 117.7483,
143.8294

■ 0.0730, 0.7188,
1.4159

■ 123.8325,
149.0047, 180.4639

■ 0.0000, 0.0000,
0.1541

155.5301,

■ 0.0000, 0.0000,

185.3541, 222.8440

0.0000

192.2220,
227.1808, 271.3883

■ 18.0646, 24.4065,
32.1926

■ 18.0646, 24.4065,
32.1926

■ 17.2119, 23.9272,
32.1455

■ 19.1764, 25.0205,
32.2530

■ 16.5947, 23.5688,
32.1088

■ 20.5639, 25.7762,
32.3257

■ 16.1891, 23.3196,
32.0821

■ 22.2452, 26.6834,
32.4122

■ 15.9496, 23.1560,
32.0631

■ 24.2359, 27.7501,
32.5132

■ 15.9008, 23.1217,
32.0591

■ 26.5508, 28.9841,
32.6293

■ 29.2035, 30.3922,
32.7613

■ 32.2069, 31.9812,
32.9097

■ 35.5734, 33.7574,
33.0751

■ 39.3145, 35.7268,
33.2581

Harmonies

Analogous

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



17.9185, 24.4065, 23.3056



18.0646, 24.4065, 32.1926



19.5105, 24.4065, 41.1754

Triad

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



18.0646, 24.4065, 32.1926



27.8531, 24.4065, 39.3885



24.4099, 24.4065, 13.2932

Complementary

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



18.0646, 24.4065, 32.1926



15.1255, 10.4156, 5.9164

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.



27.3223, 24.4065, 15.9116



18.0646, 24.4065, 32.1926



29.4235, 24.4065, 30.1357

Square

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



18.0646, 24.4065, 32.1926



25.0843, 24.4065, 45.9165



29.2212, 24.4065, 21.6513



21.4081, 24.4065, 13.6080

Rectangle

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



18.0646, 24.4065, 32.1926



21.0944, 24.4065, 45.4192



29.2212, 24.4065, 21.6513



25.4363, 24.4065, 13.8312

Sweetspot

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



18.0653, 24.4074, 32.1932



43.5461, 49.7727, 58.2332



13.6951, 22.9110, 8.4036



9.5004, 10.9501, 12.8977



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.



18.0653, 24.4074, 32.1932



30.4873, 42.6571, 57.5480



12.6293, 13.5354, 30.3812



5.9584, 6.5508, 7.4201



13.3841, 19.4631, 26.9824



0.1653, 0.2412, 0.3307

Inverse Universe

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



19.5178, 12.0833, 29.3216



33.3586, 18.4995, 51.8255



18.4462, 17.0572, 7.0233



6.0324, 5.9080, 7.2770



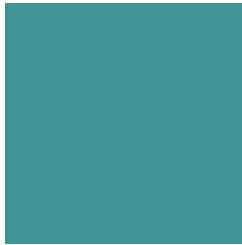
14.8828, 7.1582, 23.9275



0.1829, 0.0879, 0.2968

Previews

White Background



This preview shows how the XYZ color 18.0646, 24.4065, 32.1926 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 18.0646, 24.4065, 32.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

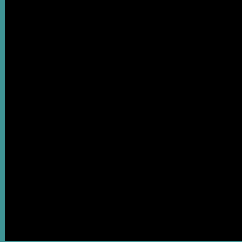
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0646, 24.4065, 32.1926

Background



This preview shows how black text looks on a background with the XYZ color 18.0646, 24.4065, 32.1926.

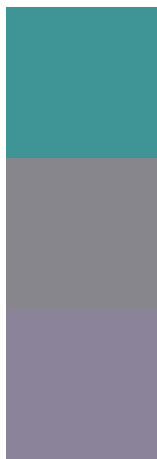


This preview shows how white text looks on a background with the XYZ color 18.0646, 24.4065,

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

18.0646, 24.4065, 32.1926

Protanopia

23.2504, 24.0945, 28.2362

Deuteranopia

24.5135, 24.0215, 33.4816



Tritanopia

18.9200, 24.5294, 36.0852

Trichromacy



Original Color

18.0646, 24.4065, 32.1926

Protanomaly

20.4972, 23.6996, 29.4808

Deuteranomaly

21.1687, 23.5378, 33.1333

Tritanomaly

18.5969, 24.3922, 34.7384

Monochromacy



Original Color

18.0646, 24.4065, 32.1926

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.7830, 20.9352, 24.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0646, 24.4065, 32.1926 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(63, 148, 149)` looks like.

```
.text, #text, p{  
    color:rgb(63, 148, 149)  
}
```

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(63, 148, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 148, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.0646, 24.4065, 32.1926 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(63, 148, 149) }
```


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

```
.border{ border-color:rgb(63, 148, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 148, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 148, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 148, 149);  
box-shadow:4px 4px 4px 4px rgb(63, 148,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0646, 24.4065, 32.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 148, 149) }
```

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

```
.background{ background-color: rgb(63, 148,  
149) }
```

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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