

Converting Colors

XYZ(18.7304, 24.2243, 32.8160)

Have a look what the booklet for
XYZ(18.7304, 24.2243, 32.8160)
contains.

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Color

**XYZ(18.7664, 24.2880,
32.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9297
RGB	75, 146, 151
RGB Percent	29%, 57%, 59%
CMY	0.7059, 0.4274, 0.4078
CMYK	0.50, 0.03, 0.00, 0.41
HSL	184°, 34%, 44%
HSV	184°, 50%, 59%
XYZ	18.7664, 24.2880, 32.9771
YIQ	125.3410, -43.9210, -13.4970

Conversions

Conversions Part 2

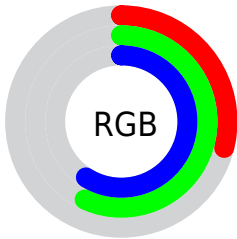
Format	Color
R _Y B	75, 112, 151
Decimal	4952727
CIE Lab	56.37, -20.81, -9.53
CIE LCh	56, 22.888, 204.599
Yxy	24.2880, 0.2468, 0.3194
Android (android.graphics.Color)	4283142807 (0xFF4B9297)
YUV	125.3410, 12.6499, -44.1491
Hunter-Lab	49.2829, -18.2741, -5.1753

Details

The XYZ color **18.7664, 24.2880, 32.9771** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9015, 12.8249, 8.2417**, and the grayscale version is **19.5778, 20.5974, 22.4305**.

A 20% lighter version of the original color is **40.8796, 50.4622, 65.3432**, and **6.5176, 9.1690, 13.4829** is the 20% darker color. If you saturate the color by 10%, you get **17.5704, 23.4457, 32.8780**, and if you desaturate by 10%, it is **20.2455, 25.2793, 33.0909**.

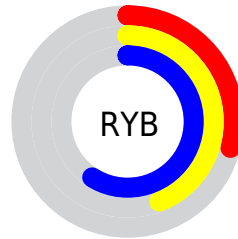
Distribution



Red (29%)

Green (57%)

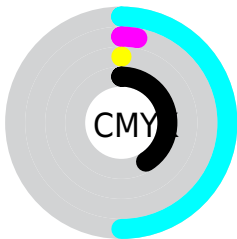
Blue (59%)



Red (29%)

Yellow (44%)

Blue (59%)

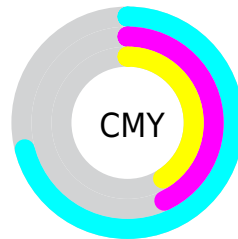


Cyan (50%)

Magenta (3%)

Yellow (0%)

Black (41%)



Cyan (71%)

Magenta (43%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7664, 24.2880, 32.9771 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 18.7664, 24.2880, 32.9771 by changing the saturation by 10% instead.

■ 18.7664, 24.2880,
32.9771

■ 18.7664, 24.2880,
32.9771

238.1191,
274.2733, 330.1754

■ 11.6046, 15.5474,
21.8379

■ 40.8589, 50.4998,
65.4554

■ 6.5453, 9.2045,
13.5407

■ 56.5204, 68.7397,
87.6316

■ 3.2232, 4.8748,
7.6668

■ 75.7458, 90.9149,
114.3238

■ 1.2729, 2.1740,
3.7978

■ 98.9004, 117.4097,
145.9507

■ 0.1628, 0.7058,
1.5151

■ 126.3497,
148.6086, 182.9308

■ 0.0000, 0.0000,
0.2291

158.4590,

■ 0.0000, 0.0000,

184.8959, 225.6826

0.0000

195.5937,
226.6560, 274.6246

■ 18.7664, 24.2880,
32.9771

■ 18.7664, 24.2880,
32.9771

■ 17.5704, 23.4457,
32.8780

■ 20.2455, 25.2793,
33.0909

■ 16.6352, 22.7393,
32.7909

■ 22.0237, 26.4263,
33.2186

■ 15.9387, 22.1579,
32.7154

■ 24.1184, 27.7384,
33.3614

■ 15.4541, 21.6876,
32.6502

■ 26.5450, 29.2235,
33.5202

■ 15.1212, 21.3047,
32.5938

■ 29.3179, 30.8893,
33.6956

■ 32.4508, 32.7425,
33.8882

■ 35.9563, 34.7899,
34.0986

■ 39.8468, 37.0377,
34.3274

■ 44.1338, 39.4920,
34.5752

Harmonies

Analogous

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



18.3870, 24.2880, 25.0992



18.7664, 24.2880, 32.9771



20.2649, 24.2880, 40.1687

Triad

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



18.7664, 24.2880, 32.9771



27.4793, 24.2880, 35.8028



23.5666, 24.2880, 14.4427

Complementary

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



18.7664, 24.2880, 32.9771



16.9015, 12.8249, 8.2417

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.



26.1554, 24.2880, 16.2691



18.7664, 24.2880, 32.9771



28.5220, 24.2880, 27.8391

Square

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



18.7664, 24.2880, 32.9771



25.2653, 24.2880, 42.0060



28.0200, 24.2880, 20.8389



21.0339, 24.2880, 15.2982

Rectangle

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



18.7664, 24.2880, 32.9771



21.7617, 24.2880, 43.1019



28.0200, 24.2880, 20.8389



24.4609, 24.2880, 14.7508

Sweetspot

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



18.7671, 24.2889, 32.9777



45.3022, 50.9735, 59.8848



15.3727, 24.1911, 11.2186



10.1075, 11.4696, 13.5986



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.7671, 24.2889, 32.9777



31.3021, 41.8682, 58.8652



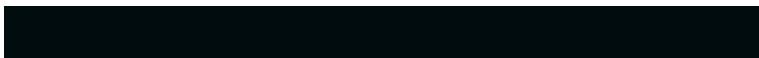
13.9780, 14.7108, 31.3813



6.3498, 6.9570, 7.9371



12.8719, 18.1404, 27.7307



0.2014, 0.2892, 0.4176

Inverse Universe

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



20.4674, 13.6873, 28.7584



34.7611, 20.9654, 50.1324



20.3710, 19.7639, 9.3982



6.4437, 6.3166, 7.7165



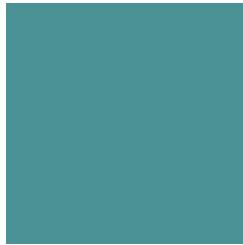
14.9559, 7.2366, 22.0905



0.2281, 0.1100, 0.3542

Previews

White Background



This preview shows how the XYZ color 18.7664, 24.2880, 32.9771 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 18.7664, 24.2880, 32.9771 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

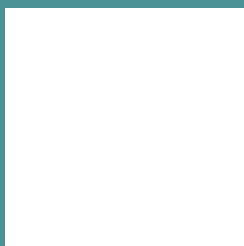
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7664, 24.2880, 32.9771

Background



This preview shows how black text looks on a background with the XYZ color 18.7664, 24.2880, 32.9771.

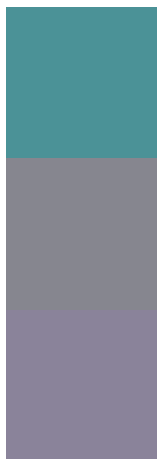


This preview shows how white text looks on a background with the XYZ color 18.7664, 24.2880,

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

18.7664, 24.2880, 32.9771

Protanopia

23.3145, 24.1017, 29.4099

Deuteranopia

24.4303, 23.9690, 33.9107



Tritanopia

19.2718, 24.2629, 35.5658

Trichromacy



Original Color

18.7664, 24.2880, 32.9771

Protanomaly

21.0868, 23.7630, 30.6694

Deuteranomaly

21.6242, 23.5531, 33.5435

Tritanomaly

19.0223, 24.1539, 34.6699

Monochromacy



Original Color

18.7664, 24.2880, 32.9771

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.7540, 21.6221, 25.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7664, 24.2880, 32.9771 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(75, 146, 151)` looks like.

```
.text, #text, p{  
    color:rgb(75, 146, 151)  
}
```

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(75, 146, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 146, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.7664, 24.2880, 32.9771 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(75, 146, 151) }
```


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

```
.border{ border-color:rgb(75, 146, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 146, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 146, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 146, 151);  
box-shadow:4px 4px 4px 4px rgb(75, 146,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7664, 24.2880, 32.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 146, 151) }
```

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

```
.background{ background-color: rgb(75, 146,  
151) }
```

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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