

Converting Colors

XYZ(18.7282, 24.3209, 31.9395)

Have a look what the booklet for
XYZ(18.7282, 24.3209, 31.9395)
contains.

XYZ(18.7643, 24.3055, 32.1362)	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(18.7643, 24.3055,
32.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9295
RGB	77, 146, 149
RGB Percent	30%, 57%, 58%
CMY	0.6980, 0.4274, 0.4157
CMYK	0.48, 0.02, 0.00, 0.42
HSL	182°, 32%, 44%
HSV	182°, 48%, 58%
XYZ	18.7643, 24.3055, 32.1362
YIQ	125.7110, -42.0870, -13.6950

Conversions

Conversions Part 2

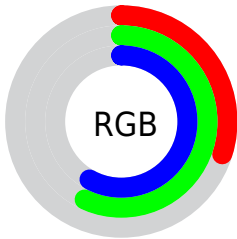
Format	Color
R_{YB}	77, 112, 149
Decimal	5083797
CIE _{Lab}	56.39, -20.90, -8.35
CIE _{LCh}	56, 22.501, 201.771
Yxy	24.3055, 0.2495, 0.3232
Android (android.graphics.Color)	4283273877 (0xFF4D9295)
YUV	125.7110, 11.4815, -42.7195
Hunter-Lab	49.3006, -18.3372, -4.1373

Details

The XYZ color **18.7643, 24.3055, 32.1362** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6031, 12.6632, 8.5910**, and the grayscale version is **19.7063, 20.7326, 22.5778**.

A 20% lighter version of the original color is **40.7938, 50.4456, 64.0868**, and **6.5105, 9.1764, 12.9834** is the 20% darker color. If you saturate the color by 10%, you get **17.6019, 23.5652, 32.0550**, and if you desaturate by 10%, it is **20.2041, 25.1907, 32.2316**.

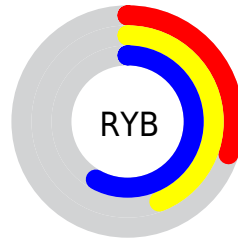
Distribution



Red (30%)

Green (57%)

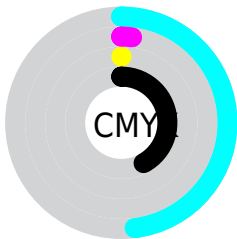
Blue (58%)



Red (30%)

Yellow (44%)

Blue (58%)

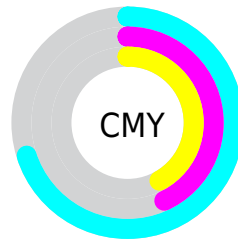


Cyan (48%)

Magenta (2%)

Yellow (0%)

Black (42%)



Cyan (70%)

Magenta (43%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7643, 24.3055, 32.1362 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 18.7643, 24.3055, 32.1362 by changing the saturation by 10% instead.

■ 18.7643, 24.3055,
32.1362

■ 18.7643, 24.3055,
32.1362

238.1076,
274.3614, 326.2510

■ 11.6031, 15.5604,
21.1999

■ 40.8554, 50.5283,
64.1249

■ 6.5443, 9.2136,
13.0775

■ 56.5160, 68.7747,
86.0144

■ 3.2226, 4.8808,
7.3506

■ 75.7404, 90.9571,
112.3920

■ 1.2725, 2.1775,
3.6006

■ 98.8941, 117.4598,
143.6763

■ 0.1625, 0.7077,
1.4089

■ 126.3422,
148.6671, 180.2858

■ 0.0000, 0.0000,
0.1486

158.4503,

■ 0.0000, 0.0000,

184.9636, 222.6391

0.0000

195.5837,
226.7335, 271.1547

■ 18.7643, 24.3055,
32.1362

■ 18.7643, 24.3055,
32.1362

■ 17.6019, 23.5652,
32.0550

■ 20.2041, 25.1907,
32.2316

■ 16.6956, 22.9571,
31.9854

■ 21.9364, 26.2269,
32.3403

■ 16.0246, 22.4712,
31.9270

■ 23.9777, 27.4232,
32.4636

■ 15.5641, 22.0944,
31.8785

■ 26.3427, 28.7871,
32.6022

■ 15.2637, 21.8010,
31.8377

■ 29.0453, 30.3258,
32.7568

■ 15.2167, 21.7536,
31.8310

■ 32.0983, 32.0460,
32.9279

■ 35.5141, 33.9539,
33.1161

■ 39.3043, 36.0557,
33.3221

■ 43.4802, 38.3570,
33.5462

Harmonies

Analogous

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



18.5000, 24.3055, 24.4684



18.7643, 24.3055, 32.1362



20.1450, 24.3055, 39.3756

Triad

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



18.7643, 24.3055, 32.1362



27.2542, 24.3055, 36.3463



23.8243, 24.3055, 14.6760

Complementary

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



18.7643, 24.3055, 32.1362



16.6031, 12.6632, 8.5910

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.



26.3343, 24.3055, 16.7381



18.7643, 24.3055, 32.1362



28.4093, 24.3055, 28.5664

Square

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



18.7643, 24.3055, 32.1362



25.0053, 24.3055, 42.1062



28.0606, 24.3055, 21.5029



21.2971, 24.3055, 15.2736

Rectangle

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



18.7643, 24.3055, 32.1362



21.5733, 24.3055, 42.5200



28.0606, 24.3055, 21.5029



24.7005, 24.3055, 15.0648

Sweetspot

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



18.7650, 24.3064, 32.1368



44.5785, 50.0596, 58.2342



15.2345, 23.6435, 11.2351



9.6999, 10.9902, 12.8949



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.



18.7650, 24.3064, 32.1368



31.3657, 42.0992, 57.3941



14.1269, 15.0302, 30.5907



5.9436, 6.5213, 7.4152



12.8123, 18.3194, 26.7918



0.1620, 0.2346, 0.3296

Inverse Universe

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



20.2372, 13.7733, 28.7871



34.3670, 21.0661, 50.4665



19.9110, 19.2789, 9.6936



6.0250, 5.9051, 7.2378



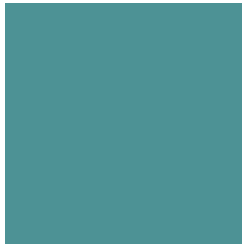
14.5941, 7.0427, 22.4075



0.1812, 0.0872, 0.2880

Previews

White Background



This preview shows how the XYZ color 18.7643, 24.3055, 32.1362 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 18.7643, 24.3055, 32.1362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

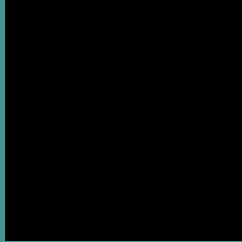
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7643, 24.3055, 32.1362

Background



This preview shows how black text looks on a background with the XYZ color 18.7643, 24.3055, 32.1362.

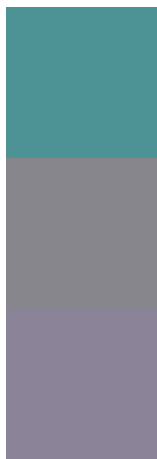


This preview shows how white text looks on a background with the XYZ color 18.7643, 24.3055,

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

18.7643, 24.3055, 32.1362

Protanopia

23.3245, 24.1242, 28.6264

Deuteranopia

24.4313, 23.9886, 33.0484



Tritanopia

19.4357, 24.3474, 35.5734

Trichromacy



Original Color

18.7643, 24.3055, 32.1362

Protanomaly

21.0620, 23.7680, 29.8632

Deuteranomaly

21.5925, 23.5557, 32.6868

Tritanomaly

19.1000, 24.2036, 34.2369

Monochromacy



Original Color

18.7643, 24.3055, 32.1362

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.8749, 21.6844, 25.7450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7643, 24.3055, 32.1362 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(77, 146, 149)` looks like.

```
.text, #text, p{  
    color:rgb(77, 146, 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(77, 146, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 146, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.7643, 24.3055, 32.1362 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(77, 146, 149) }
```


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

```
.border{ border-color:rgb(77, 146, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 146, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 146, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 146, 149);  
box-shadow:4px 4px 4px 4px rgb(77, 146,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7643, 24.3055, 32.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 146, 149) }
```

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

```
.background{ background-color: rgb(77, 146,  
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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