

Converting Colors

XYZ(18.8527, 27.2699, 32.6527)

Have a look what the booklet for
XYZ(18.8527, 27.2699, 32.6527)
contains.

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Color

**XYZ(18.8240, 27.2280,
32.6972)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9E95
RGB	47, 158, 149
RGB Percent	18%, 62%, 58%
CMY	0.8157, 0.3804, 0.4157
CMYK	0.70, 0.00, 0.06, 0.38
HSL	175°, 54%, 40%
HSV	175°, 70%, 62%
XYZ	18.8240, 27.2280, 32.6972
YIQ	123.7850, -63.2670, -26.3310

Conversions

Conversions Part 2

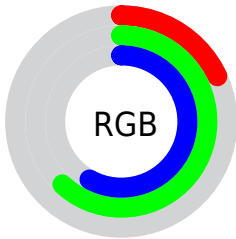
Format	Color
RYB	47, 105, 158
Decimal	3120789
CIELab	59.18, -32.62, -4.30
CIElCh	59, 32.907, 187.512
Yxy	27.2280, 0.2390, 0.3458
Android (android.graphics.Color)	4281310869 (0xFF2F9E95)
YUV	123.7850, 12.4310, -67.3404
Hunter-Lab	52.1805, -26.9223, -0.6258

Details

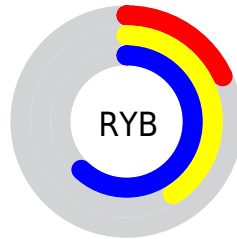
The XYZ color **18.8240, 27.2280, 32.6972** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.8318, 9.5885, 4.7587**, and the grayscale version is **19.0627, 20.0554, 21.8403**.

A 20% lighter version of the original color is **40.8804, 55.1515, 64.9906**, and **7.3586, 11.1899, 13.3273** is the 20% darker color. If you saturate the color by 10%, you get **18.1217, 26.8784, 32.1338**, and if you desaturate by 10%, it is **19.7927, 27.7161, 33.2802**.

Distribution



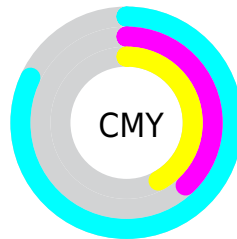
- Red (18%)
- Green (62%)
- Blue (58%)



- Red (18%)
- Yellow (41%)
- Blue (62%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8240, 27.2280, 32.6972 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 18.8240, 27.2280, 32.6972 by changing the saturation by 10% instead.

■ 18.8240, 27.2280,
32.6972

■ 18.8240, 27.2280,
32.6972

238.4322,
288.7594, 328.8732

■ 11.6464, 17.7445,
21.6254

■ 40.9557, 55.2495,
65.0130

■ 6.5739, 10.7667,
13.3862

■ 56.6405, 74.5564,
87.0941

■ 3.2410, 5.9102,
7.5612

■ 75.8917, 97.9064,
113.6821

■ 1.2825, 2.7906,
3.7317

■ 99.0748, 125.6842,
145.1954

■ 0.1700, 1.0234,
1.4794

■ 126.5550,
158.2739, 182.0526

■ 0.0000, 0.0000,
0.2025

158.6977,

■ 0.0000, 0.0000,

196.0601, 224.6723

0.0000

195.8684,
239.4271, 273.4729

■ 18.8240, 27.2280,
32.6972

■ 18.8240, 27.2280,
32.6972

■ 18.1217, 26.8784,
32.1338

■ 19.7927, 27.7161,
33.2802

■ 17.6535, 26.6486,
31.5866

■ 21.0510, 28.3528,
33.8820

■ 17.3527, 26.5048,
31.0660

■ 22.6223, 29.1507,
34.5043

■ 24.5269, 30.1202,
35.1482

■ 26.7834, 31.2711,
35.8145

■ 29.4090, 32.6121,
36.5041

■ 32.4200, 34.1516,
37.2177

■ 35.8313, 35.8974,
37.9560

■ 39.6573, 37.8569,
38.7197

Harmonies

Analogous

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



19.2574, 27.2280, 21.8222



18.8240, 27.2280, 32.6972



20.1162, 27.2280, 45.6293

Triad

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



18.8240, 27.2280, 32.6972



30.9827, 27.2280, 51.4043



29.0134, 27.2280, 13.2962

Complementary

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



18.8240, 27.2280, 32.6972



15.8318, 9.5885, 4.7587

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.



32.6500, 27.2280, 17.9143



18.8240, 27.2280, 32.6972



33.8681, 27.2280, 39.1482

Square

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



18.8240, 27.2280, 32.6972



26.9237, 27.2280, 58.1366



34.5084, 27.2280, 26.7920



24.8624, 27.2280, 12.4236

Rectangle

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



18.8240, 27.2280, 32.6972



21.8717, 27.2280, 53.0598



34.5084, 27.2280, 26.7920



30.3490, 27.2280, 14.3892

Sweetspot

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



18.8248, 27.2290, 32.6978



48.1273, 56.5262, 64.8943



14.3858, 25.5080, 6.8554



10.6013, 12.6168, 14.5591



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8248, 27.2290, 32.6978



32.4004, 48.5591, 57.8135



13.1115, 14.6074, 34.4773



6.7986, 7.5002, 8.3742



13.9041, 21.2296, 24.9157



0.2548, 0.3821, 0.4779

Inverse Universe

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



15.8318, 9.5885, 4.7587



26.6672, 14.4972, 4.0946



18.5510, 15.3482, 4.6748



6.6538, 6.6544, 7.0281



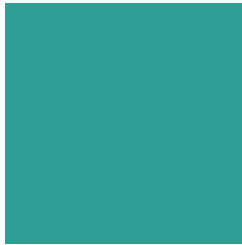
11.3569, 5.8473, 0.8646



0.2087, 0.1068, 0.0452

Previews

White Background



This preview shows how the XYZ color 18.8240, 27.2280, 32.6972 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 18.8240, 27.2280, 32.6972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

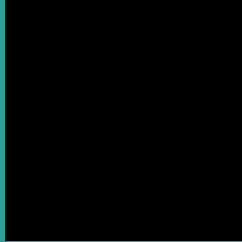
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8240, 27.2280, 32.6972

Background



This preview shows how black text looks on a background with the XYZ color 18.8240, 27.2280, 32.6972.

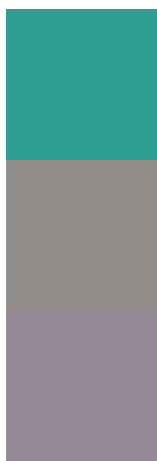


This preview shows how white text looks on a background with the XYZ color 18.8240, 27.2280,

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

18.8240, 27.2280, 32.6972

Protanopia

25.6867, 26.8431, 28.2535

Deuteranopia

27.4159, 26.9609, 33.8960



Tritanopia

20.4766, 27.1397, 41.2050

Trichromacy



Original Color

18.8240, 27.2280, 32.6972

Protanomaly

21.6983, 26.1018, 29.8811

Deuteranomaly

22.6029, 26.0285, 33.5385

Tritanomaly

19.7897, 27.1070, 37.9074

Monochromacy



Original Color

18.8240, 27.2280, 32.6972

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.8617, 21.7886, 25.4545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8240, 27.2280, 32.6972 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(47, 158, 149)` looks like.

```
.text, #text, p{  
    color:rgb(47, 158, 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(47, 158, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 158, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.8240, 27.2280, 32.6972 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(47, 158, 149) }
```


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

```
.border{ border-color:rgb(47, 158, 149) }
```

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

Here you see how a box with a 4 pixel rgb(47, 158, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 158, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 158, 149);  
box-shadow:4px 4px 4px 4px rgb(47, 158,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8240, 27.2280, 32.6972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 158, 149) }
```

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

```
.background{ background-color: rgb(47, 158,  
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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