

Converting Colors

XYZ(12.5906, 18.4119, 24.5301)

Have a look what the booklet for
XYZ(12.5906, 18.4119, 24.5301)
contains.

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Color

**XYZ(12.5969, 18.4718,
24.3742)**

Conversions

Conversions Part 1

Format	Color
Hex	098583
RGB	9, 133, 131
RGB Percent	4%, 52%, 51%
CMY	0.9646, 0.4784, 0.4863
CMYK	0.93, 0.00, 0.02, 0.48
HSL	179°, 87%, 28%
HSV	179°, 93%, 52%
XYZ	12.5969, 18.4718, 24.3742
YIQ	95.6960, -73.2620, -26.9100

Conversions

Conversions Part 2

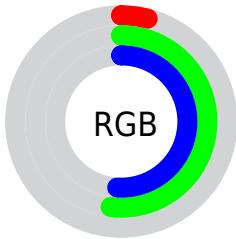
Format	Color
RYB	9, 72, 133
Decimal	624003
CIELab	50.06, -29.83, -7.54
CIELCh	50, 30.768, 194.176
Yxy	18.4718, 0.2272, 0.3332
Android (android.graphics.Color)	4278814083 (0xFF098583)
YUV	95.6960, 17.4049, -76.0324
Hunter-Lab	42.9788, -22.8954, -3.5394

Details

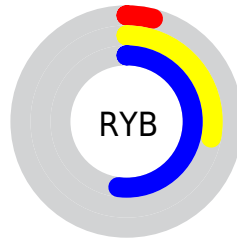
The XYZ color **12.5969, 18.4718, 24.3742** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8315, 5.2066, 0.8040**, and the grayscale version is **11.0180, 11.5918, 12.6235**.

A 20% lighter version of the original color is **30.2598, 40.9798, 51.6624**, and **4.6162, 6.7957, 9.0510** is the 20% darker color. If you saturate the color by 10%, you get **12.4747, 18.4104, 24.3174**, and if you desaturate by 10%, it is **12.8371, 18.5943, 24.4619**.

Distribution



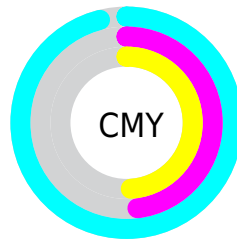
- Red (4%)
- Green (52%)
- Blue (51%)



- Red (4%)
- Yellow (28%)
- Blue (52%)



- Cyan (93%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (96%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5969, 18.4718, 24.3742 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 12.5969, 18.4718, 24.3742 by changing the saturation by 10% instead.

12.5969, 18.4718,
24.3742

12.5969, 18.4718,
24.3742

202.0081,
243.5171, 288.0541

7.2266, 11.2892,
15.3967

30.1852, 40.8396,
51.5916

3.6518, 6.2617,
8.9485

43.1339, 56.7937,
70.6686

1.5071, 3.0049,
4.6113

59.3395, 76.4404,
93.9491

0.3307, 1.1343,
1.9663

79.1674, 100.1641,
121.8518

0.0000, 0.0070,
0.5345

102.9828,
128.3492, 154.7950

0.0000, 0.0000,
0.0000

131.1512,

161.3802, 193.1975

164.0378,
199.6413, 237.4777

■ 12.5969, 18.4718,
24.3742

■ 12.5969, 18.4718,
24.3742

■ 12.4747, 18.4104,
24.3174

■ 12.8371, 18.5943,
24.4619

■ 13.2280, 18.7942,
24.5564

■ 13.7910, 19.0827,
24.6591

■ 14.5433, 19.4689,
24.7708

■ 15.5001, 19.9604,
24.8922

■ 16.6748, 20.5643,
25.0240

■ 18.0801, 21.2870,
25.1668

■ 19.7274, 22.1345,
25.3210

■ 21.6274, 23.1123,
25.4872

Harmonies

Analogous

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



12.6309, 18.4718, 15.9875



12.5969, 18.4718, 24.3742



13.7833, 18.4718, 33.7432

Triad

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



12.5969, 18.4718, 24.3742



21.8290, 18.4718, 34.2134



19.1550, 18.4718, 8.1537

Complementary

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



12.5969, 18.4718, 24.3742



9.8315, 5.2066, 0.8040

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.



21.9631, 18.4718, 10.7584



12.5969, 18.4718, 24.3742



23.6213, 18.4718, 24.8926

Square

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



12.5969, 18.4718, 24.3742



18.9879, 18.4718, 40.4155



23.6730, 18.4718, 16.3792



16.1997, 18.4718, 8.0874

Rectangle

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



12.5969, 18.4718, 24.3742



15.1926, 18.4718, 38.6406



23.6730, 18.4718, 16.3792



20.1545, 18.4718, 8.7195

Sweetspot

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



12.5975, 18.4725, 24.3746



30.9614, 37.3916, 44.9263



8.5763, 16.8671, 3.0626



6.7728, 8.3198, 10.1005



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.5975, 18.4725, 24.3746



22.3331, 32.9659, 43.5152



6.7342, 6.5268, 23.0959



4.7985, 5.2776, 5.9499



11.8823, 17.5358, 23.1637



0.0414, 0.0609, 0.0816

Inverse Universe

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



9.8315, 5.2066, 0.8040



17.3375, 8.9360, 0.8914



11.8472, 9.2557, 1.4210



4.6754, 4.6898, 4.9029



9.2251, 4.7544, 0.4917



0.0321, 0.0165, 0.0027

Previews

White Background



This preview shows how the XYZ color 12.5969, 18.4718, 24.3742 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 12.5969, 18.4718, 24.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

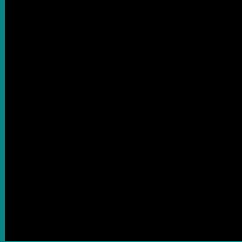
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.5969, 18.4718, 24.3742

Background



This preview shows how black text looks on a background with the XYZ color 12.5969, 18.4718, 24.3742.



This preview shows how white text looks on a background with the XYZ color 12.5969, 18.4718,

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

12.5969, 18.4718, 24.3742

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

18.5299, 18.1483, 25.4480



Tritanopia

13.4508, 18.4186, 28.4374

Trichromacy



Original Color

12.5969, 18.4718, 24.3742

Protanomaly

14.0929, 17.3521, 22.0085

Deuteranomaly

14.6559, 17.3896, 25.1383

Tritanomaly

13.1272, 18.4862, 26.9211

Monochromacy



Original Color

12.5969, 18.4718, 24.3742

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3433, 13.1314, 16.4575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5969, 18.4718, 24.3742 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(9, 133, 131)` looks like.

```
.text, #text, p{  
    color:rgb(9, 133, 131)  
}
```

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(9, 133, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 133, 131) }
```

Border

The CSS property to change the border of an element to XYZ 12.5969, 18.4718, 24.3742 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(9, 133, 131) }
```


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

```
.border{ border-color:rgb(9, 133, 131) }
```

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

Here you see how a box with a 4 pixel rgb(9, 133, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 133, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 133, 131);  
box-shadow:4px 4px 4px 4px rgb(9, 133,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5969, 18.4718, 24.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 133, 131) }
```

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

```
.background{ background-color: rgb(9, 133,  
131) }
```

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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