

Converting Colors

XYZ(24.1231, 31.9946, 32.8797)

Have a look what the booklet for
XYZ(24.1231, 31.9946, 32.8797)
contains.

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Color

**XYZ(24.1271, 32.0632,
32.9342)**

Conversions

Conversions Part 1

Format	Color
Hex	63A694
RGB	99, 166, 148
RGB Percent	39%, 65%, 58%
CMY	0.6118, 0.3490, 0.4196
CMYK	0.40, 0.00, 0.11, 0.35
HSL	164°, 27%, 52%
HSV	164°, 40%, 65%
XYZ	24.1271, 32.0632, 32.9342
YIQ	143.9150, -34.1540, -19.8020

Conversions

Conversions Part 2

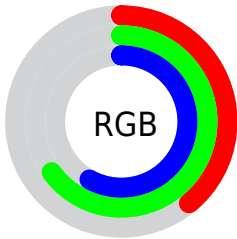
Format	Color
RYB	99, 138, 166
Decimal	6530708
CIELab	63.40, -25.63, 2.63
CIELCh	63, 25.769, 174.132
Yxy	32.0632, 0.2707, 0.3598
Android (android.graphics.Color)	4284720788 (0xFF63A694)
YUV	143.9150, 2.0139, -39.3905
Hunter-Lab	56.6244, -23.0355, 5.1525

Details

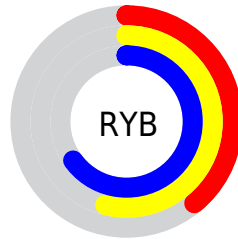
The XYZ color **24.1271, 32.0632, 32.9342** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.3997, 18.3158, 19.1328**, and the grayscale version is **26.4778, 27.8567, 30.3359**.

A 20% lighter version of the original color is **49.6540, 62.7495, 65.3719**, and **9.3017, 13.4785, 13.4206** is the 20% darker color. If you saturate the color by 10%, you get **22.1505, 31.0851, 31.0347**, and if you desaturate by 10%, it is **26.4919, 33.2415, 34.9243**.

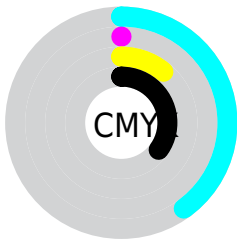
Distribution



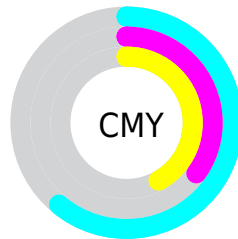
- Red (39%)
- Green (65%)
- Blue (58%)



- Red (39%)
- Yellow (54%)
- Blue (65%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)



- Cyan (61%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1271, 32.0632, 32.9342 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 24.1271, 32.0632, 32.9342 by changing the saturation by 10% instead.

■ 24.1271, 32.0632,
32.9342

■ 24.1271, 32.0632,
32.9342

265.8910,
311.4070, 329.9760

■ 15.5532, 21.4098,
21.8053

■ 49.6907, 62.9102,
65.3876

■ 9.2974, 13.4239,
13.5170

■ 67.4111, 83.8725,
87.5492

■ 4.9943, 7.7211,
7.6506

■ 88.9110, 109.0399,
114.2255

■ 2.2786, 3.9170,
3.7877

■ 114.5558,
138.7968, 145.8351

■ 0.7837, 1.6272,
1.5096

144.7108,
173.5275, 182.7963

■ 0.0000, 0.3759,
0.2251

179.7415,

■ 0.0000, 0.0000,

213.6166, 225.5279

0.0000

220.0131,
259.4483, 274.4483

■ 24.1271, 32.0632,
32.9342

■ 24.1271, 32.0632,
32.9342

■ 22.1505, 31.0851,
31.0347

■ 26.4919, 33.2415,
34.9243

■ 20.5363, 30.2914,
29.2216

■ 29.2634, 34.6271,
37.0046

■ 19.2597, 29.6702,
27.4938


■ 32.4620, 36.2313,
39.1774


■ 18.2914, 29.2064,
25.8491


■ 36.1063, 38.0636,
41.4444


■ 17.5971, 28.8824,
24.2849


■ 40.2134, 40.1328,
43.8071

 17.1127, 28.6639,
22.8493

 44.7995, 42.4474,
46.2671

 49.8803, 45.0153,
48.8257

 55.4706, 47.8441,
51.4843

 61.5844, 50.9411,
54.2444

Harmonies

Analogous

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



25.2298, 32.0632, 24.5867



24.1271, 32.0632, 32.9342



24.6144, 32.0632, 43.6083

Triad

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



24.1271, 32.0632, 32.9342



33.3772, 32.0632, 56.1724



34.6893, 32.0632, 21.2476

Complementary

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



24.1271, 32.0632, 32.9342



23.3997, 18.3158, 19.1328

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.



37.1993, 32.0632, 27.4552



24.1271, 32.0632, 32.9342



36.4012, 32.0632, 47.7844

Square

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



24.1271, 32.0632, 32.9342



29.7767, 32.0632, 58.4259



37.8490, 32.0632, 36.9661



31.1844, 32.0632, 18.7422

Rectangle

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



24.1271, 32.0632, 32.9342



25.7963, 32.0632, 50.5180



37.8490, 32.0632, 36.9661



35.6880, 32.0632, 22.9038

Sweetspot

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



24.1280, 32.0645, 32.9349



57.7722, 65.1809, 70.3535



23.3583, 32.0250, 16.7552



12.7620, 14.5028, 15.6333



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.1280, 32.0645, 32.9349



40.6845, 56.6537, 56.8195



23.1741, 27.6961, 40.2024



7.6602, 8.4971, 9.1969



13.2897, 22.2346, 17.8240



0.3429, 0.5488, 0.5368

Inverse Universe

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



23.3997, 18.3158, 19.1328



39.1965, 28.3722, 28.4786



23.9420, 20.9346, 14.5838



7.6108, 7.5742, 8.2678



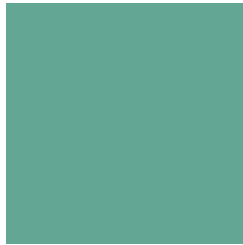
12.5732, 6.4380, 2.5641



0.3267, 0.1650, 0.1720

Previews

White Background



This preview shows how the XYZ color 24.1271, 32.0632, 32.9342 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.1271, 32.0632, 32.9342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

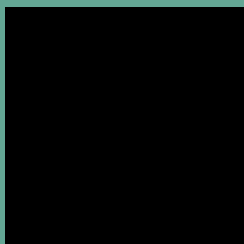
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

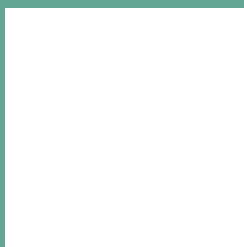
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1271, 32.0632, 32.9342

Background



This preview shows how black text looks on a background with the XYZ color 24.1271, 32.0632, 32.9342.



This preview shows how white text looks on a background with the XYZ color 24.1271, 32.0632,

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

24.1271, 32.0632, 32.9342

Protanopia

30.0624, 31.6190, 29.3296

Deuteranopia

32.4058, 31.7716, 34.1303



Tritanopia

26.6021, 32.0000, 45.3320

Trichromacy



Original Color

24.1271, 32.0632, 32.9342

Protanomaly

27.3314, 31.4155, 30.6099

Deuteranomaly

28.6350, 31.5167, 33.8523

Tritanomaly

25.4822, 31.7946, 40.3912

Monochromacy



Original Color

24.1271, 32.0632, 32.9342

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.2412, 29.0900, 31.0726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1271, 32.0632, 32.9342 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(99, 166, 148)` looks like.

```
.text, #text, p{  
    color:rgb(99, 166, 148)  
}
```

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(99, 166, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 166, 148) }
```

Border

The CSS property to change the border of an element to XYZ 24.1271, 32.0632, 32.9342 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(99, 166, 148) }
```


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

```
.border{ border-color:rgb(99, 166, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 166, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 166, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 166, 148);  
box-shadow:4px 4px 4px 4px rgb(99, 166,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1271, 32.0632, 32.9342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 166, 148) }
```

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

```
.background{ background-color: rgb(99, 166,  
148) }
```

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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