

Converting Colors

XYZ(24.8134, 32.4804, 42.1414)

Have a look what the booklet for
XYZ(24.8134, 32.4804, 42.1414)
contains.

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Color

**XYZ(24.8171, 32.4908,
42.0091)**

Conversions

Conversions Part 1

Format	Color
Hex	57A7A8
RGB	87, 167, 168
RGB Percent	34%, 65%, 66%
CMY	0.6588, 0.3451, 0.3412
CMYK	0.48, 0.01, 0.00, 0.34
HSL	181°, 32%, 50%
HSV	181°, 48%, 66%
XYZ	24.8171, 32.4908, 42.0091
YIQ	143.1940, -48.0010, -16.6490

Conversions

Conversions Part 2

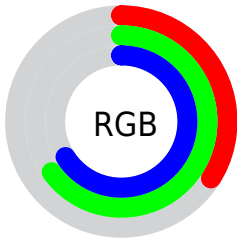
Format	Color
RYB	87, 127, 168
Decimal	5744552
CIELab	63.75, -24.16, -8.10
CIELCh	64, 25.482, 198.546
Yxy	32.4908, 0.2499, 0.3271
Android (android.graphics.Color)	4283934632 (0xFF57A7A8)
YUV	143.1940, 12.2294, -49.2821
Hunter-Lab	57.0007, -22.0355, -3.7958

Details

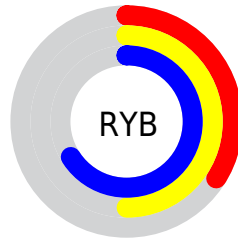
The XYZ color **24.8171, 32.4908, 42.0091** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3591, 15.9930, 10.9789**, and the grayscale version is **26.1532, 27.5152, 29.9640**.

A 20% lighter version of the original color is **50.7683, 63.4099, 79.3756**, and **9.7091, 13.7420, 18.6638** is the 20% darker color. If you saturate the color by 10%, you get **23.3898, 31.6995, 41.9322**, and if you desaturate by 10%, it is **26.6114, 33.4729, 42.1047**.

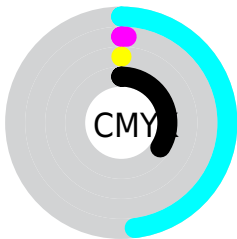
Distribution



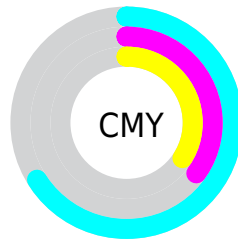
- Red (34%)
- Green (65%)
- Blue (66%)



- Red (34%)
- Yellow (50%)
- Blue (66%)



- Cyan (48%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8171, 32.4908, 42.0091 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 24.8171, 32.4908, 42.0091 by changing the saturation by 10% instead.

■ 24.8171, 32.4908,
42.0091

■ 24.8171, 32.4908,
42.0091

269.2903,
313.3490, 370.3214

■ 16.0688, 21.7367,
28.7828

■ 50.8054, 63.5797,
79.4836

■ 9.6640, 13.6635,
18.6724

■ 68.7761, 84.6833,
104.5689

■ 5.2373, 7.8870,
11.2594

■ 90.5517, 110.0054,
134.4443

■ 2.4234, 4.0227,
6.1252

■ 116.4976,
139.9306, 169.5284

■ 0.8568, 1.6863,
2.8514

146.9790,
174.8431, 210.2395

■ 0.0000, 0.4148,
1.0192

182.3614,

■ 0.0000, 0.0000,

215.1274, 256.9964

0.0000

223.0100,
261.1679, 310.2175

■ 24.8171, 32.4908,
42.0091

■ 24.8171, 32.4908,
42.0091

■ 23.3898, 31.6995,
41.9322

■ 26.6114, 33.4729,
42.1047

■ 22.3010, 31.0820,
41.8704

■ 28.7930, 34.6540,
42.2177

■ 21.5225, 30.6246,
41.8231

■ 31.3843, 36.0464,
42.3498

■ 21.0204, 30.3098,
41.7888

■ 34.4049, 37.6602,
42.5021

■ 20.7359, 30.1071,
41.7647

■ 37.8733, 39.5050,
42.6754

■ 20.6915, 30.0743,
41.7607

■ 41.8069, 41.5897,
42.8705

■ 46.2223, 43.9228,
43.0881

■ 51.1349, 46.5124,
43.3290

■ 56.5599, 49.3661,
43.5939

Harmonies

Analogous

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



24.6275, 32.4908, 31.6129



24.8171, 32.4908, 42.0091



26.5543, 32.4908, 52.2614

Triad

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



24.8171, 32.4908, 42.0091



36.3203, 32.4908, 50.0616



32.2656, 32.4908, 19.3889

Complementary

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



24.8171, 32.4908, 42.0091



21.3591, 15.9930, 10.9789

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.



35.6551, 32.4908, 22.5879



24.8171, 32.4908, 42.0091



38.1137, 32.4908, 39.4285

Square

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



24.8171, 32.4908, 42.0091



33.1179, 32.4908, 57.4935



37.8612, 32.4908, 29.4824



28.7482, 32.4908, 19.8136

Rectangle

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



24.8171, 32.4908, 42.0091



28.4370, 32.4908, 57.0228



37.8612, 32.4908, 29.4824



33.4623, 32.4908, 20.0465

Sweetspot

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



24.8181, 32.4921, 42.0099



59.0235, 66.5199, 76.9538



19.6542, 30.7203, 13.9115



12.6243, 14.3700, 16.7604



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.



24.8181, 32.4921, 42.0099



42.2520, 57.4151, 76.0804



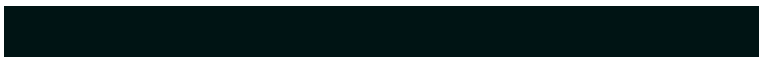
18.6533, 20.1625, 39.9549



7.7395, 8.5159, 9.6542



15.6281, 22.7165, 31.5365



0.3826, 0.5575, 0.7681

Inverse Universe

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



26.5325, 17.9321, 38.6234



45.7600, 27.8273, 69.1055



25.5236, 24.3220, 12.3671



7.8379, 7.6650, 9.4634



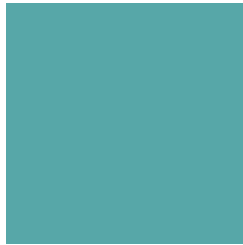
17.3890, 8.3643, 27.9235



0.4243, 0.2040, 0.6858

Previews

White Background



This preview shows how the XYZ color 24.8171, 32.4908, 42.0091 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 24.8171, 32.4908, 42.0091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

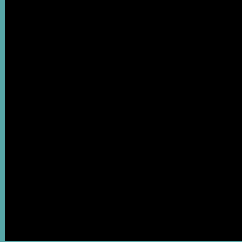
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8171, 32.4908, 42.0091

Background



This preview shows how black text looks on a background with the XYZ color 24.8171, 32.4908, 42.0091.

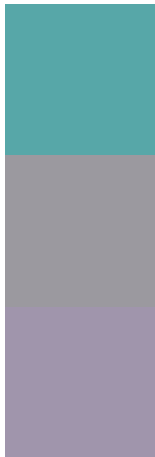


This preview shows how white text looks on a background with the XYZ color 24.8171, 32.4908,

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

24.8171, 32.4908, 42.0091

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.6910, 31.9470, 43.4731



Tritanopia

25.9062, 32.3891, 47.5341

Trichromacy



Original Color

24.8171, 32.4908, 42.0091

Protanomaly

27.9544, 31.8082, 38.8487

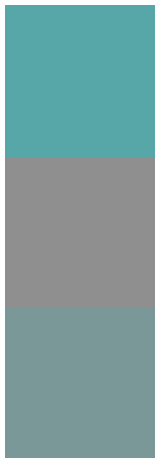
Deuteranomaly

28.9120, 31.7038, 43.1237

Tritanomaly

25.5905, 32.5412, 45.4898

Monochromacy



Original Color

24.8171, 32.4908, 42.0091

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.0641, 28.9344, 33.9696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8171, 32.4908, 42.0091 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(87, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 167, 168)  
}
```

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(87, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.8171, 32.4908, 42.0091 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(87, 167, 168) }
```


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

```
.border{ border-color:rgb(87, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 167,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8171, 32.4908, 42.0091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 167, 168) }
```

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

```
.background{ background-color: rgb(87, 167,  
168) }
```

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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