

Converting Colors

XYZ(24.8656, 32.7749, 41.3994)

Have a look what the booklet for
XYZ(24.8656, 32.7749, 41.3994)
contains.

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Color

**XYZ(24.9082, 32.8215,
41.5816)**

Conversions

Conversions Part 1

Format	Color
Hex	57A8A7
RGB	87, 168, 167
RGB Percent	34%, 66%, 65%
CMY	0.6588, 0.3412, 0.3451
CMYK	0.48, 0.00, 0.01, 0.34
HSL	179°, 32%, 50%
HSV	179°, 48%, 66%
XYZ	24.9082, 32.8215, 41.5816
YIQ	143.6670, -47.9550, -17.4830

Conversions

Conversions Part 2

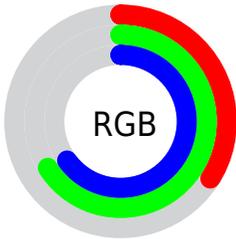
Format	Color
RYB	87, 128, 168
Decimal	5744807
CIELab	64.02, -24.93, -7.14
CIElCh	64, 25.934, 195.991
Yxy	32.8215, 0.2508, 0.3305
Android (android.graphics.Color)	4283934887 (0xFF57A8A7)
YUV	143.6670, 11.5032, -49.6970
Hunter-Lab	57.2901, -22.6505, -2.9301

Details

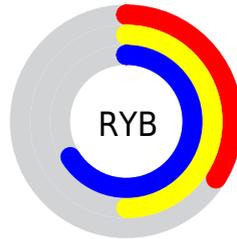
The XYZ color **24.9082, 32.8215, 41.5816** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3193, 15.8469, 11.1689**, and the grayscale version is **26.3453, 27.7174, 30.1842**.

A 20% lighter version of the original color is **50.9002, 63.8889, 78.7563**, and **9.7408, 13.9353, 18.3960** is the 20% darker color. If you saturate the color by 10%, you get **23.4996, 32.0983, 41.4162**, and if you desaturate by 10%, it is **26.6838, 33.7354, 41.7658**.

Distribution



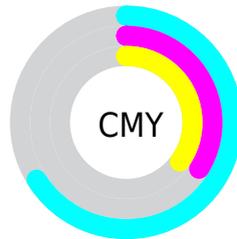
- Red (34%)
- Green (66%)
- Blue (65%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9082, 32.8215, 41.5816 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 24.9082, 32.8215, 41.5816 by changing the saturation by 10% instead.

■ 24.9082, 32.8215,
41.5816

■ 24.9082, 32.8215,
41.5816

269.7365,
314.8446, 368.4939

■ 16.1370, 21.9897,
28.4507

■ 50.9522, 64.0967,
78.8292

■ 9.7126, 13.8494,
18.4237

■ 68.9558, 85.3090,
103.7831

■ 5.2696, 8.0160,
11.0820

■ 90.7676, 110.7503,
133.5149

■ 2.4427, 4.1052,
6.0072

■ 116.7529,
140.8048, 168.4434

■ 0.8665, 1.7326,
2.7806

147.2770,
175.8572, 208.9870

■ 0.0000, 0.4446,
0.9837

182.7055,

■ 0.0000, 0.0000,

216.2917, 255.5642

0.0000

223.4035,
262.4927, 308.5937

■ 24.9082, 32.8215,
41.5816

■ 24.9082, 32.8215,
41.5816

■ 23.4996, 32.0983,
41.4162

■ 26.6838, 33.7354,
41.7658

■ 22.4295, 31.5489,
41.2661

■ 28.8467, 34.8482,
41.9675

■ 21.6696, 31.1594,
41.1307

■ 31.4191, 36.1721,
42.1885

■ 21.1862, 30.9124,
41.0084

■ 34.4209, 37.7174,
42.4298

■ 20.9202, 30.7774,
40.8964

■ 37.8705, 39.4935,
42.6923

■ 20.8792, 30.7567,
40.8767

■ 41.7854, 41.5094,
42.9766

■ 46.1819, 43.7736,
43.2837

■ 51.0757, 46.2942,
43.6142

■ 56.4818, 49.0789,
43.9688

Harmonies

Analogous

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



24.8540, 32.8215, 31.0769



24.9082, 32.8215, 41.5816



26.5576, 32.8215, 52.2804

Triad

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



24.9082, 32.8215, 41.5816



36.5358, 32.8215, 51.6478



32.9306, 32.8215, 19.5323

Complementary

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



24.9082, 32.8215, 41.5816



21.3193, 15.8469, 11.1689

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.



36.3449, 32.8215, 23.1132



24.9082, 32.8215, 41.5816



38.5340, 32.8215, 40.8412

Square

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



24.9082, 32.8215, 41.5816



33.1749, 32.8215, 58.8230



38.4615, 32.8215, 30.4675



29.2971, 32.8215, 19.6532

Rectangle

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



24.9082, 32.8215, 41.5816



28.4193, 32.8215, 57.4896



38.4615, 32.8215, 30.4675



34.1476, 32.8215, 20.3073

Sweetspot

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



24.9092, 32.8228, 41.5824



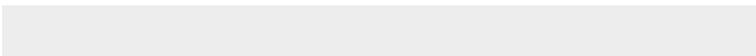
59.0722, 66.6975, 76.7233



19.7817, 30.7865, 13.9175



12.6365, 14.4143, 16.7029



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.



24.9092, 32.8228, 41.5824



42.4533, 58.1482, 75.1289



18.8300, 20.5156, 40.0146



7.7435, 8.5304, 9.6354



15.7681, 23.2260, 30.8752



0.3849, 0.5656, 0.7576

Inverse Universe

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



21.3193, 15.8469, 11.1689



35.1461, 23.5817, 13.2136



25.3500, 23.9743, 12.3092



7.5347, 7.5438, 7.8671



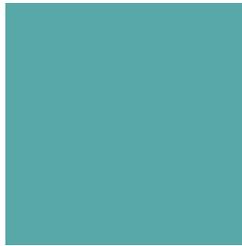
12.2047, 6.2906, 0.6235



0.2981, 0.1535, 0.0212

Previews

White Background



This preview shows how the XYZ color 24.9082, 32.8215, 41.5816 looks on a white background.

Color Contrast Check

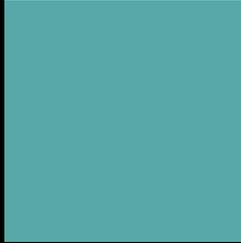
Large Text (above 18pt) WCAG AA × Fail

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 24.9082, 32.8215, 41.5816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

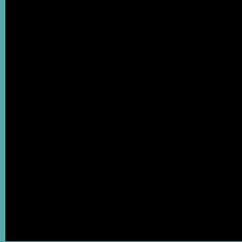
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

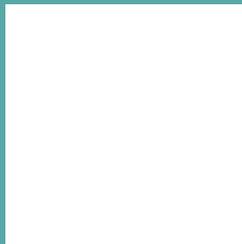
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9082, 32.8215, 41.5816

Background



This preview shows how black text looks on a background with the XYZ color 24.9082, 32.8215, 41.5816.



This preview shows how white text looks on a background with the XYZ color 24.9082, 32.8215,

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

24.9082, 32.8215, 41.5816

Protanopia

31.2731, 32.3190, 36.9377

Deuteranopia

33.1573, 32.4343, 43.0410



Tritanopia

26.0873, 32.7513, 47.5945

Trichromacy



Original Color

24.9082, 32.8215, 41.5816



Protanomaly

28.0200, 31.8522, 38.3895



Deuteranomaly

29.3043, 32.1671, 42.6946



Tritanomaly

25.7730, 32.9062, 45.5506

Monochromacy



Original Color

24.9082, 32.8215, 41.5816



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.2271, 29.2604, 34.0240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9082, 32.8215, 41.5816 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, 168, 167)` looks like.

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

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, 168, 167) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 24.9082, 32.8215, 41.5816 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, 168, 167) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 24.9082, 32.8215, 41.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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