

Converting Colors

XYZ(24.1309, 32.7248, 37.1672)

Have a look what the booklet for
XYZ(24.1309, 32.7248, 37.1672)
contains.

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Color

**XYZ(24.1973, 32.8230,
37.4079)**

Conversions

Conversions Part 1

Format	Color
Hex	56A99E
RGB	86, 169, 158
RGB Percent	34%, 66%, 62%
CMY	0.6627, 0.3372, 0.3804
CMYK	0.49, 0.00, 0.07, 0.34
HSL	172°, 33%, 50%
HSV	172°, 49%, 66%
XYZ	24.1973, 32.8230, 37.4079
YIQ	142.9290, -45.9370, -21.0170

Conversions

Conversions Part 2

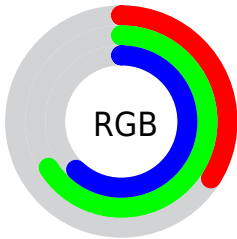
Format	Color
RYB	86, 130, 169
Decimal	5679518
CIELab	64.02, -28.01, -2.12
CIELCh	64, 28.089, 184.319
Yxy	32.8230, 0.2563, 0.3476
Android (android.graphics.Color)	4283869598 (0xFF56A99E)
YUV	142.9290, 7.4300, -49.9267
Hunter-Lab	57.2914, -24.8695, 1.3911

Details

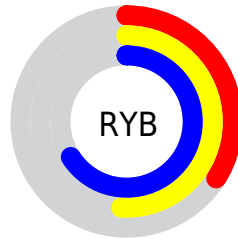
The XYZ color **24.1973, 32.8230, 37.4079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.8488, 15.9546, 13.2385**, and the grayscale version is **26.0654, 27.4228, 29.8634**.

A 20% lighter version of the original color is **49.9200, 64.3172, 72.7342**, and **9.3001, 13.7590, 16.0755** is the 20% darker color. If you saturate the color by 10%, you get **22.6306, 32.0382, 36.3378**, and if you desaturate by 10%, it is **26.1373, 33.8014, 38.5153**.

Distribution



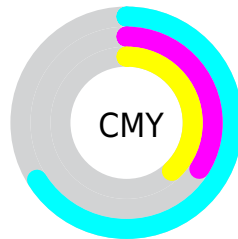
- Red (34%)
- Green (66%)
- Blue (62%)



- Red (34%)
- Yellow (51%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)



- Cyan (66%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1973, 32.8230, 37.4079 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 24.1973, 32.8230, 37.4079 by changing the saturation by 10% instead.

■ 24.1973, 32.8230,
37.4079

■ 24.1973, 32.8230,
37.4079

266.2384,
314.8514, 350.2949

■ 15.6056, 21.9909,
25.2252

■ 49.8043, 64.0991,
72.3930

■ 9.3346, 13.8502,
16.0244

■ 67.5503, 85.3119,
96.0325

■ 5.0189, 8.0166,
9.3869

■ 89.0784, 110.7536,
124.3280

■ 2.2932, 4.1055,
4.8941

■ 114.7540,
140.8088, 157.6981

■ 0.7912, 1.7328,
2.1276

144.9425,
175.8618, 196.5613

■ 0.0000, 0.4447,
0.6321

180.0091,

■ 0.0000, 0.0000,

216.2969, 241.3361

0.0000

220.3193,
262.4987, 292.4411

■ 24.1973, 32.8230,
37.4079

■ 24.1973, 32.8230,
37.4079

■ 22.6306, 32.0382,
36.3378

■ 26.1373, 33.8014,
38.5153

■ 21.4081, 31.4296,
35.3013

■ 28.4716, 34.9819,
39.6589

■ 20.5007, 30.9832,
34.2977

■ 31.2229, 36.3769,
40.8405

■ 19.8736, 30.6808,
33.3253

■ 34.4113, 37.9969,
42.0612

■ 19.4581, 30.4870,
32.3808

■ 38.0559, 39.8516,
43.3220

■ 19.4237, 30.4711,
32.2978

■ 42.1742, 41.9502,
44.6238

■ 46.7832, 44.3012,
45.9675

■ 51.8988, 46.9130,
47.3538

■ 57.5363, 49.7934,
48.7837

Harmonies

Analogous

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



24.8199, 32.8230, 27.0888



24.1973, 32.8230, 37.4079



25.3160, 32.8230, 49.5128

Triad

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



24.1973, 32.8230, 37.4079



35.6950, 32.8230, 56.9693



34.6184, 32.8230, 19.4547

Complementary

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



24.1973, 32.8230, 37.4079



21.8488, 15.9546, 13.2385

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.



37.9254, 32.8230, 24.7901



24.1973, 32.8230, 37.4079



38.5830, 32.8230, 46.0579

Square

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



24.1973, 32.8230, 37.4079



31.7748, 32.8230, 62.2242



39.4317, 32.8230, 34.1198



30.6268, 32.8230, 18.0916

Rectangle

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



24.1973, 32.8230, 37.4079



26.9593, 32.8230, 56.5641



39.4317, 32.8230, 34.1198



35.8576, 32.8230, 20.7781

Sweetspot

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



24.1982, 32.8243, 37.4087



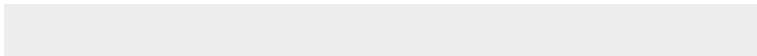
58.0161, 66.2128, 73.9720



20.8056, 31.5942, 13.8066



12.4019, 14.3080, 16.0273



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.



24.1982, 32.8243, 37.4087



40.2962, 57.2604, 64.8986



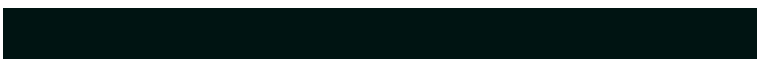
20.1702, 23.1842, 40.9495



7.7041, 8.5147, 9.4281



14.4900, 22.7148, 24.1450



0.3640, 0.5572, 0.6477

Inverse Universe

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



21.8488, 15.9546, 13.2385



35.6098, 23.4672, 16.5802



24.3385, 21.6990, 11.7104



7.5701, 7.5579, 8.0534



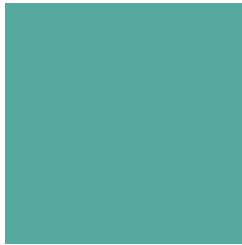
12.3174, 6.3357, 1.2172



0.3115, 0.1589, 0.0919

Previews

White Background



This preview shows how the XYZ color 24.1973, 32.8230, 37.4079 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 24.1973, 32.8230, 37.4079 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

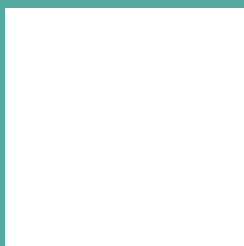
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1973, 32.8230, 37.4079

Background



This preview shows how black text looks on a background with the XYZ color 24.1973, 32.8230, 37.4079.



This preview shows how white text looks on a background with the XYZ color 24.1973, 32.8230,

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

24.1973, 32.8230, 37.4079

Protanopia

31.0810, 32.5502, 33.0784

Deuteranopia

33.1538, 32.5283, 38.7136



Tritanopia

26.2871, 32.8543, 47.6039

Trichromacy



Original Color

24.1973, 32.8230, 37.4079

Protanomaly

27.5814, 31.9688, 34.4227

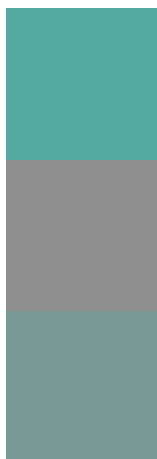
Deuteranomaly

28.8065, 32.0055, 38.3776

Tritanomaly

25.3859, 32.7514, 43.5117

Monochromacy



Original Color

24.1973, 32.8230, 37.4079

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.5996, 28.7322, 32.2663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1973, 32.8230, 37.4079 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(86, 169, 158)` looks like.

```
.text, #text, p{  
    color:rgb(86, 169, 158)  
}
```

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(86, 169, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 169, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.1973, 32.8230, 37.4079 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(86, 169, 158) }
```


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

```
.border{ border-color:rgb(86, 169, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 169, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 169, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 169, 158);  
box-shadow:4px 4px 4px 4px rgb(86, 169,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1973, 32.8230, 37.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 169, 158) }
```

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

```
.background{ background-color: rgb(86, 169,  
158) }
```

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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