

Converting Colors

XYZ(24.7860, 37.8392, 32.0145)

Have a look what the booklet for
XYZ(24.7860, 37.8392, 32.0145)
contains.

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Color

**XYZ(24.8327, 37.9832,
32.0093)**

Conversions

Conversions Part 1

Format	Color
Hex	46B98F
RGB	70, 185, 143
RGB Percent	27%, 73%, 56%
CMY	0.7255, 0.2745, 0.4392
CMYK	0.62, 0.00, 0.23, 0.27
HSL	158°, 45%, 50%
HSV	158°, 62%, 73%
XYZ	24.8327, 37.9832, 32.0093
YIQ	145.8270, -55.0580, -37.4420

Conversions

Conversions Part 2

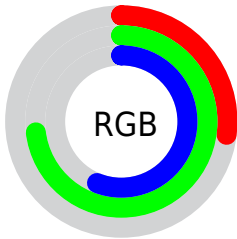
Format	Color
RYB	70, 140, 185
Decimal	4635023
CIELab	68.01, -42.46, 11.86
CIELCh	68, 44.086, 164.398
Yxy	37.9832, 0.2619, 0.4006
Android (android.graphics.Color)	4282825103 (0xFF46B98F)
YUV	145.8270, -1.3937, -66.5003
Hunter-Lab	61.6305, -35.9306, 12.3477

Details

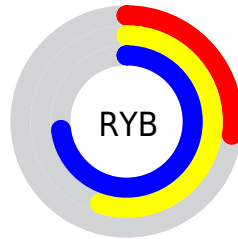
The XYZ color **24.8327, 37.9832, 32.0093** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1237, 15.8654, 17.0689**, and the grayscale version is **27.2734, 28.6937, 31.2475**.

A 20% lighter version of the original color is **50.8834, 72.2026, 64.0780**, and **10.0921, 17.0229, 13.1098** is the 20% darker color. If you saturate the color by 10%, you get **23.2017, 37.2008, 29.3415**, and if you desaturate by 10%, it is **26.9076, 38.9929, 34.8605**.

Distribution



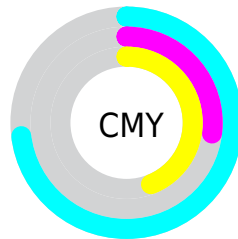
- Red (27%)
- Green (73%)
- Blue (56%)



- Red (27%)
- Yellow (55%)
- Blue (73%)



- Cyan (62%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)





- Cyan (73%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8327, 37.9832, 32.0093 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 24.8327, 37.9832, 32.0093 by changing the saturation by 10% instead.


 24.8327, 37.9832,
32.0093


 24.8327, 37.9832,
32.0093


269.3668,
337.5479, 325.6556


 16.0805, 25.9697,
21.1037


 50.8305, 72.0824,
63.9237


 9.6724, 16.8009,
13.0079


 68.8069, 94.9368,
85.7697


 5.2429, 10.0927,
7.3032


 90.5887, 122.1737,
112.0995

 2.4267, 5.4604,
3.5711

 116.5413,
154.1773, 143.3318

 0.8584, 2.5199,
1.3931

 147.0301,
191.3322, 179.8849

 0.0000, 0.8866,
0.1364

182.4203,

 0.0000, 0.0000,

234.0226, 222.1776

0.0000

223.0774,
282.6331, 270.6284

■ 24.8327, 37.9832,
32.0093

■ 24.8327, 37.9832,
32.0093

■ 23.2017, 37.2008,
29.3415

■ 26.9076, 38.9929,
34.8605

■ 21.9719, 36.6206,
26.8498

■ 29.4581, 40.2431,
37.8969

■ 21.0970, 36.2200,
24.5300

■ 32.5162, 41.7514,
41.1235

■ 20.5861, 35.9939,
22.8263

■ 36.1106, 43.5324,
44.5441

■ 40.2673, 45.5995,
48.1626

■ 45.0109, 47.9653,
51.9826

■ 50.3644, 50.6415,
56.0076

■ 56.3495, 53.6395,
60.2411

■ 62.9869, 56.9697,
64.6862

Harmonies

Analogous

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



27.6399, 37.9832, 19.8175



24.8327, 37.9832, 32.0093



24.7769, 37.9832, 51.4762

Triad

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



24.8327, 37.9832, 32.0093



39.4810, 37.9832, 89.7785



46.3666, 37.9832, 20.1631

Complementary

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



24.8327, 37.9832, 32.0093



25.1237, 15.8654, 17.0689

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.



50.4392, 37.9832, 32.6597



24.8327, 37.9832, 32.0093



46.1356, 37.9832, 74.6328

Square

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



24.8327, 37.9832, 32.0093



32.6703, 37.9832, 89.4347



50.3496, 37.9832, 52.3681



39.7657, 37.9832, 14.6056

Rectangle

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



24.8327, 37.9832, 32.0093



26.2780, 37.9832, 66.5704



50.3496, 37.9832, 52.3681



48.1118, 37.9832, 23.4811

Sweetspot

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



24.8337, 37.9847, 32.0102



66.6885, 78.9651, 81.5858



25.1590, 38.5974, 11.9190



13.9432, 16.8079, 17.1991



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.8337, 37.9847, 32.0102



40.5747, 66.1596, 50.6966



25.5963, 33.4310, 51.0045



9.1237, 10.1535, 10.8089



14.0527, 24.5220, 15.7314



0.5240, 0.8759, 0.7054

Inverse Universe

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



25.1237, 15.8654, 17.0689



41.1845, 23.1923, 21.9043



24.3890, 17.3071, 7.8501



9.1366, 9.0650, 10.0665



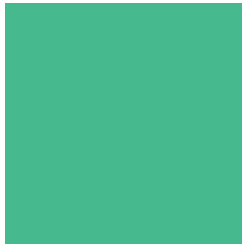
14.3572, 7.3166, 4.5019



0.5364, 0.2700, 0.3180

Previews

White Background



This preview shows how the XYZ color 24.8327, 37.9832, 32.0093 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 24.8327, 37.9832, 32.0093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

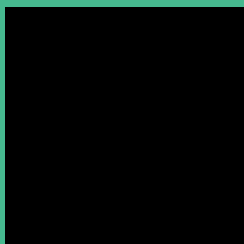
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

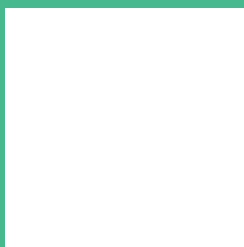
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8327, 37.9832, 32.0093

Background



This preview shows how black text looks on a background with the XYZ color 24.8327, 37.9832, 32.0093.



This preview shows how white text looks on a background with the XYZ color 24.8327, 37.9832,

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

24.8327, 37.9832, 32.0093

Protanopia

34.9647, 37.2430, 27.5361

Deuteranopia

38.0727, 37.4053, 33.6471



Tritanopia

29.5705, 37.7658, 56.1831

Trichromacy



Original Color

24.8327, 37.9832, 32.0093



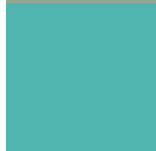
Protanomaly

29.4212, 36.5454, 29.1702



Deuteranomaly

30.7707, 36.0411, 32.9386



Tritanomaly

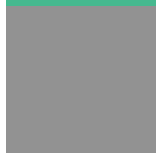
27.6551, 37.8922, 46.4138

Monochromacy



Original Color

24.8327, 37.9832, 32.0093



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.1529, 31.0375, 31.4532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8327, 37.9832, 32.0093 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(70, 185, 143)` looks like.

```
.text, #text, p{  
    color:rgb(70, 185, 143)  
}
```

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(70, 185, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 185, 143) }
```

Border

The CSS property to change the border of an element to XYZ 24.8327, 37.9832, 32.0093 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(70, 185, 143) }
```


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

```
.border{ border-color:rgb(70, 185, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 185, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 185, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 185, 143);  
box-shadow:4px 4px 4px 4px rgb(70, 185,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8327, 37.9832, 32.0093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 185, 143) }
```

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

```
.background{ background-color: rgb(70, 185,  
143) }
```

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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