

Converting Colors

XYZ(24.2597, 39.6005, 35.5824)

Have a look what the booklet for
XYZ(24.2597, 39.6005, 35.5824)
contains.

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Color

**XYZ(24.2167, 39.4960,
35.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF97
RGB	0, 191, 151
RGB Percent	0%, 75%, 59%
CMY	0.9999, 0.2510, 0.4078
CMYK	1.00, 0.00, 0.21, 0.25
HSL	167°, 100%, 37%
HSV	167°, 100%, 75%
XYZ	24.2167, 39.4960, 35.6253
YIQ	129.3310, -100.9960, -52.9320

Conversions

Conversions Part 2

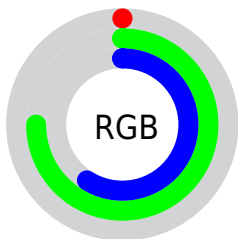
Format	Color
RYB	0, 107, 191
Decimal	49047
CIELab	69.11, -49.87, 8.92
CIELCh	69, 50.664, 169.854
Yxy	39.4960, 0.2438, 0.3976
Android (android.graphics.Color)	4278239127 (0xFF00BF97)
YUV	129.3310, 10.6828, -113.4233
Hunter-Lab	62.8458, -41.1979, 10.3825

Details

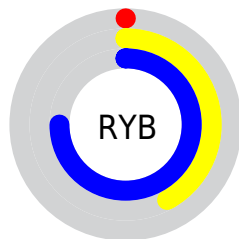
The XYZ color **24.2167, 39.4960, 35.6253** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.8702, 11.2306, 3.0244**, and the grayscale version is **20.9740, 22.0663, 24.0302**.

A 20% lighter version of the original color is **49.7324, 74.1952, 69.4575**, and **11.1044, 18.5284, 15.0477** is the 20% darker color. If you saturate the color by 10%, you get **24.2172, 39.4973, 35.6244**, and if you desaturate by 10%, it is **24.8190, 39.7693, 37.3795**.

Distribution



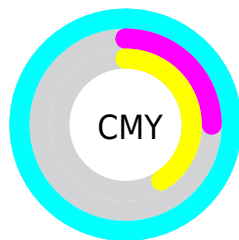
- Red (0%)
- Green (75%)
- Blue (59%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2167, 39.4960, 35.6253 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 24.2167, 39.4960, 35.6253 by changing the saturation by 10% instead.


 24.2167, 39.4960,
35.6253


 24.2167, 39.4960,
35.6253


266.3344,
343.9947, 342.3076


 15.6201, 27.1458,
23.8575

 49.8357, 74.3954,
69.6159


 9.3448, 17.6828,
15.0168


 67.5888, 97.7134,
92.6757


 5.0257, 10.7225,
8.6844


 89.1247, 125.4562,
120.3367

 2.2973, 5.8805,
4.4419

 114.8088,
158.0081, 153.0174

 0.7933, 2.7726,
1.8708

 145.0065,
195.7535, 191.1363

 0.0000, 1.0142,
0.4740

180.0831,

 0.0000, 0.0000,

239.0768, 235.1119

0.0000

220.4039,
288.3624, 285.3628

■ 24.2167, 39.4960,
35.6253

■ 24.2167, 39.4960,
35.6253

■ 24.2172, 39.4973,
35.6244

■ 24.8190, 39.7693,
37.3795

■ 25.6972, 40.1826,
39.2038

■ 26.9484, 40.7868,
41.1042

■ 28.6210, 41.6070,
43.0836

■ 30.7563, 42.6644,
45.1443

■ 33.3905, 43.9776,
47.2887

■ 36.5561, 45.5634,
49.5187

■ 40.2828, 47.4372,
51.8363

■ 44.5982, 49.6131,
54.2432

Harmonies

Analogous

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



26.8617, 39.4960, 20.2041



24.2167, 39.4960, 35.6253



24.7289, 39.4960, 59.9757

Triad

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



24.2167, 39.4960, 35.6253



43.0737, 39.4960, 99.9784



48.4870, 39.4960, 17.1509

Complementary

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



24.2167, 39.4960, 35.6253



21.8702, 11.2306, 3.0244

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.



54.1511, 39.4960, 29.5810



24.2167, 39.4960, 35.6253



50.7280, 39.4960, 78.5907

Square

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



24.2167, 39.4960, 35.6253



34.8660, 39.4960, 103.4416



55.0255, 39.4960, 51.3380



40.3468, 39.4960, 12.3713

Rectangle

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



24.2167, 39.4960, 35.6253



26.8209, 39.4960, 78.3309



55.0255, 39.4960, 51.3380



50.7904, 39.4960, 20.3094

Sweetspot

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



24.2178, 39.4975, 35.6262



65.1717, 81.4519, 88.4877



19.5621, 37.7427, 6.2546



13.7579, 17.6087, 19.0533



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.2178, 39.4975, 35.6262



43.2797, 70.7005, 63.3173



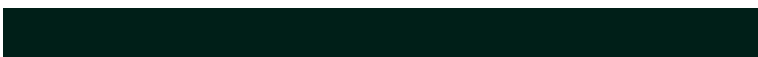
18.3348, 21.6223, 52.4992



9.7207, 10.7744, 11.7784



15.9447, 25.9682, 23.5693



0.6465, 1.0260, 1.0386

Inverse Universe

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



21.8702, 11.2306, 3.0244



39.0968, 20.0841, 5.0421



22.8121, 13.7275, 1.4479



9.6097, 9.5682, 10.3339



14.3963, 7.3897, 2.1148



0.5882, 0.2992, 0.2108

Previews

White Background



This preview shows how the XYZ color 24.2167, 39.4960, 35.6253 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 24.2167, 39.4960, 35.6253 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 24.2167, 39.4960, 35.6253

Background



This preview shows how black text looks on a background with the XYZ color 24.2167, 39.4960, 35.6253.

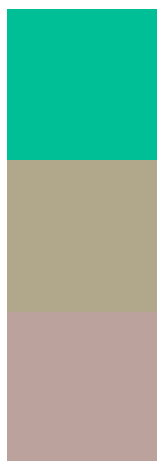


This preview shows how white text looks on a background with the XYZ color 24.2167, 39.4960,

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

24.2167, 39.4960, 35.6253

Protanopia

36.6104, 38.8486, 29.9951

Deuteranopia

39.4997, 38.8398, 37.3133



Tritanopia

29.1942, 39.3040, 60.0806

Trichromacy



Original Color

24.2167, 39.4960, 35.6253



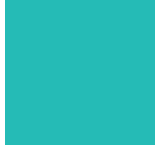
Protanomaly

27.2933, 36.5445, 31.6019



Deuteranomaly

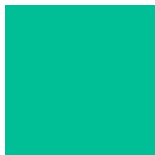
28.4677, 36.1756, 36.4925



Tritanomaly

26.9768, 39.3114, 50.4220

Monochromacy



Original Color

24.2167, 39.4960, 35.6253



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2233, 26.0565, 27.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2167, 39.4960, 35.6253 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(0, 191, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 151)  
}
```

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(0, 191, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 151) }
```

Border

The CSS property to change the border of an element to XYZ 24.2167, 39.4960, 35.6253 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(0, 191, 151) }
```


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

```
.border{ border-color:rgb(0, 191, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2167, 39.4960, 35.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 151) }
```

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

```
.background{ background-color: rgb(0, 191,  
151) }
```

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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