

Converting Colors

XYZ(32.6705, 52.5012, 49.3861)

Have a look what the booklet for
XYZ(32.6705, 52.5012, 49.3861)
contains.

XYZ(32.6235, 52.3655, 49.4624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.6235, 52.3655,
49.4624)**

Conversions

Conversions Part 1

Format	Color
Hex	11D8B0
RGB	17, 216, 176
RGB Percent	7%, 85%, 69%
CMY	0.9332, 0.1529, 0.3098
CMYK	0.92, 0.00, 0.19, 0.15
HSL	168°, 85%, 46%
HSV	168°, 92%, 85%
XYZ	32.6235, 52.3655, 49.4624
YIQ	151.9390, -105.7640, -54.6280

Conversions

Conversions Part 2

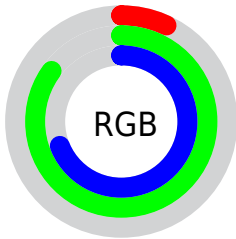
Format	Color
RYB	17, 128, 216
Decimal	1169584
CIELab	77.50, -52.93, 7.46
CIELCh	77, 53.455, 171.978
Yxy	52.3655, 0.2426, 0.3895
Android (android.graphics.Color)	4279359664 (0xFF11D8B0)
YUV	151.9390, 11.8621, -118.3415
Hunter-Lab	72.3640, -46.1648, 10.1288

Details

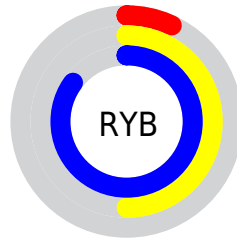
The XYZ color **32.6235, 52.3655, 49.4624** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.2598, 15.2967, 5.2844**, and the grayscale version is **29.8054, 31.3576, 34.1484**.

A 20% lighter version of the original color is **56.6322, 80.5974, 88.9160**, and **16.2089, 26.5968, 23.3482** is the 20% darker color. If you saturate the color by 10%, you get **32.0589, 52.1144, 47.6917**, and if you desaturate by 10%, it is **33.6526, 52.8468, 51.7908**.

Distribution



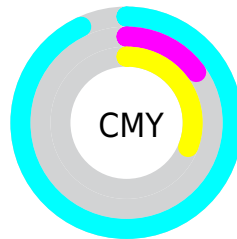
- Red (7%)
- Green (85%)
- Blue (69%)



- Red (7%)
- Yellow (50%)
- Blue (85%)



- Cyan (92%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)





- Cyan (93%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6235, 52.3655, 49.4624 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 32.6235, 52.3655, 49.4624 by changing the saturation by 10% instead.


 32.6235, 52.3655,
49.4624


 32.6235, 52.3655,
49.4624


305.6449,
395.8460, 401.2345


 21.9960, 37.2965,
34.6182


 63.1459, 93.6701,
90.7659


 13.9706, 25.4371,
23.0878


 83.7715, 120.6744,
118.0624


 8.1818, 16.4030,
14.4524

 108.4606,
152.4259, 150.3466

 4.2643, 9.8098,
8.2937

 137.5784,
189.3091, 188.0373

 1.8527, 5.2730,
4.1930

 171.4904,
231.7083, 231.5529

 0.5491, 2.4083,
1.7318

210.5619,

 0.0000, 0.8302,

280.0080, 281.3119

0.3824

255.1583,
334.5924, 337.7330

■ 0.0000, 0.0000,
0.0000

■ 32.6235, 52.3655,
49.4624

■ 32.6235, 52.3655,
49.4624

■ 32.0589, 52.1144,
47.6917

■ 33.6526, 52.8468,
51.7908

■ 35.1576, 53.5707,
54.2128

■ 37.2095, 54.5748,
56.7334

■ 39.8661, 55.8890,
59.3560

■ 43.1778, 57.5393,
62.0835

■ 47.1894, 59.5488,
64.9188

■ 51.9422, 61.9386,
67.8643

■ 57.4737, 64.7283,
70.9224

■ 63.8192, 67.9359,
74.0953

Harmonies

Analogous

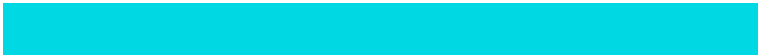
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.7433, 52.3655, 28.7297



32.6235, 52.3655, 49.4624



33.5724, 52.3655, 80.9884

Triad

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



32.6235, 52.3655, 49.4624



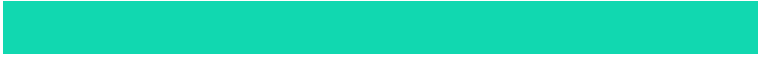
57.5580, 52.3655, 127.4474



62.9949, 52.3655, 22.9901

Complementary

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



32.6235, 52.3655, 49.4624



29.2598, 15.2967, 5.2844

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.



70.4893, 52.3655, 38.3147



32.6235, 52.3655, 49.4624



67.0609, 52.3655, 99.5767

Square

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



32.6235, 52.3655, 49.4624



47.0589, 52.3655, 133.6433



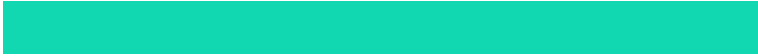
72.0718, 52.3655, 65.3044



52.5871, 52.3655, 17.2753

Rectangle

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



32.6235, 52.3655, 49.4624



36.4527, 52.3655, 103.9906



72.0718, 52.3655, 65.3044



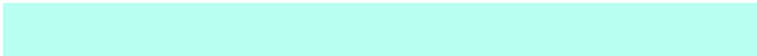
65.9945, 52.3655, 26.8718

Sweetspot

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



32.6250, 52.3675, 49.4636



71.2559, 87.9908, 96.1707



26.5297, 50.1189, 8.8069



14.6406, 18.5267, 20.1896



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.6250, 52.3675, 49.4636



46.6275, 75.8670, 69.1476



25.1327, 30.0894, 69.4513



12.6802, 14.0631, 15.3964



19.0144, 30.8611, 28.4353



1.1746, 1.8725, 1.8614

Inverse Universe

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



29.2598, 15.2967, 5.2844



41.8434, 21.5013, 5.1073



30.8302, 19.4579, 2.6620



12.5243, 12.4612, 13.4353



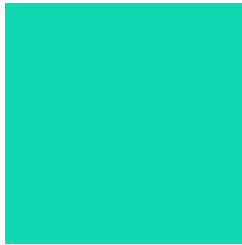
17.0557, 8.7586, 2.3313



1.0587, 0.5403, 0.2987

Previews

White Background



This preview shows how the XYZ color 32.6235, 52.3655, 49.4624 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 32.6235, 52.3655, 49.4624 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

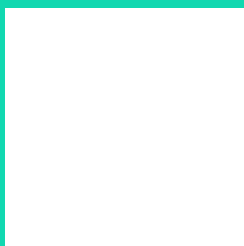
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6235, 52.3655, 49.4624

Background



This preview shows how black text looks on a background with the XYZ color 32.6235, 52.3655, 49.4624.



This preview shows how white text looks on a background with the XYZ color 32.6235, 52.3655,

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

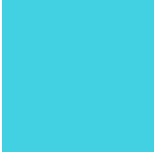
32.6235, 52.3655, 49.4624

Protanopia

48.2724, 51.1459, 41.5103

Deuteranopia

52.3447, 51.1348, 51.9109



Tritanopia

38.7079, 52.2157, 79.9900

Trichromacy



Original Color

32.6235, 52.3655, 49.4624



Protanomaly

37.0713, 48.6234, 43.9906



Deuteranomaly

38.5685, 47.9010, 50.3930



Tritanomaly

36.1476, 52.2694, 67.8583

Monochromacy



Original Color

32.6235, 52.3655, 49.4624



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.3565, 36.1167, 39.2476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6235, 52.3655, 49.4624 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(17, 216, 176)` looks like.

```
.text, #text, p{  
    color:rgb(17, 216, 176)  
}
```

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(17, 216, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 216, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.6235, 52.3655, 49.4624 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(17, 216, 176) }
```


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

```
.border{ border-color:rgb(17, 216, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 216, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 216, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 216, 176);  
box-shadow:4px 4px 4px 4px rgb(17, 216,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6235, 52.3655, 49.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 216, 176) }
```

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

```
.background{ background-color: rgb(17, 216,  
176) }
```

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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