

Converting Colors

XYZ(17.7027, 24.1253, 39.9586)

Have a look what the booklet for
XYZ(17.7027, 24.1253, 39.9586)
contains.

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Color

**XYZ(17.6245, 24.0111,
39.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	0C94A6
RGB	12, 148, 166
RGB Percent	5%, 58%, 65%
CMY	0.9528, 0.4196, 0.3490
CMYK	0.93, 0.11, 0.00, 0.35
HSL	187°, 86%, 35%
HSV	187°, 93%, 65%
XYZ	17.6245, 24.0111, 39.7821
YIQ	109.3880, -86.8340, -23.2340

Conversions

Conversions Part 2

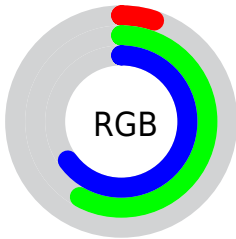
Format	Color
R_{YB}	12, 84, 166
Decimal	824486
CIE _{Lab}	56.10, -25.65, -18.67
CIE _{LCh}	56, 31.726, 216.051
Yxy	24.0111, 0.2165, 0.2949
Android (android.graphics.Color)	4279014566 (0xFF0C94A6)
YUV	109.3880, 27.9097, -85.4093
Hunter-Lab	49.0011, -21.5499, -13.8345

Details

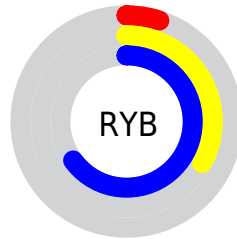
The XYZ color **17.6245, 24.0111, 39.7821** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2577, 9.0638, 1.2415**, and the grayscale version is **14.5898, 15.3496, 16.7157**.

A 20% lighter version of the original color is **38.7878, 49.8412, 75.9826**, and **7.3120, 9.7643, 17.4189** is the 20% darker color. If you saturate the color by 10%, you get **17.2539, 23.4950, 39.7025**, and if you desaturate by 10%, it is **18.2765, 24.8034, 39.9011**.

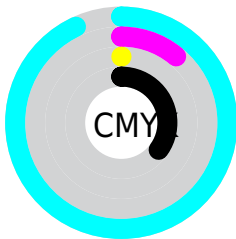
Distribution



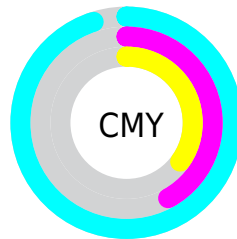
- Red (5%)
- Green (58%)
- Blue (65%)



- Red (5%)
- Yellow (33%)
- Blue (65%)



- Cyan (93%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)



- Cyan (95%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6245, 24.0111, 39.7821 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 17.6245, 24.0111, 39.7821 by changing the saturation by 10% instead.

■ 17.6245, 24.0111,
39.7821

■ 17.6245, 24.0111,
39.7821

231.8327,
272.8766, 360.7290

■ 10.7788, 15.3419,
27.0562

■ 38.9316, 50.0483,
76.0650

■ 5.9845, 9.0597,
17.3826

■ 54.1236, 68.1851,
100.4592

■ 2.8762, 4.7801,
10.3428

■ 72.8285, 90.2465,
129.5798

■ 1.0886, 2.1188,
5.5183

■ 95.4115, 116.6169,
163.8454

■ 0.0156, 0.6752,
2.4904

■ 122.2381,
147.6807, 203.6746

■ 0.0000, 0.0000,
0.8351

■ 153.6736,

■ 0.0000, 0.0000,

183.8223, 249.4859

0.0000

190.0833,
225.4262, 301.6979

■ 17.6245, 24.0111,
39.7821

■ 17.6245, 24.0111,
39.7821

■ 17.2539, 23.4950,
39.7025

■ 18.2765, 24.8034,
39.9011

■ 19.1847, 25.7349,
40.0331

■ 20.3856, 26.8249,
40.1802

■ 21.9094, 28.0891,
40.3439

■ 23.7823, 29.5409,
40.5254

■ 26.0278, 31.1927,
40.7258

■ 28.6676, 33.0554,
40.9463

■ 31.7215, 35.1395,
41.1876

■ 35.2079, 37.4544,
41.4506

Harmonies

Analogous

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



16.5531, 24.0111, 28.3113



17.6245, 24.0111, 39.7821



20.1006, 24.0111, 49.0365

Triad

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



17.6245, 24.0111, 39.7821



29.8240, 24.0111, 35.1403



22.0930, 24.0111, 10.8629

Complementary

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



17.6245, 24.0111, 39.7821



16.2577, 9.0638, 1.2415

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.



25.7782, 24.0111, 11.7854



17.6245, 24.0111, 39.7821



30.5018, 24.0111, 24.0902

Square

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



17.6245, 24.0111, 39.7821



27.1872, 24.0111, 45.8968



28.9520, 24.0111, 16.0446



18.9507, 24.0111, 13.0699

Rectangle

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



17.6245, 24.0111, 39.7821



22.3438, 24.0111, 51.6296



28.9520, 24.0111, 16.0446



23.3066, 24.0111, 10.8273

Sweetspot

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



17.6253, 24.0120, 39.7827



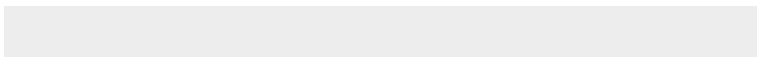
49.1754, 57.9938, 74.0774



14.0227, 27.4449, 5.7863



10.5769, 12.6728, 16.5408



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.



17.6253, 24.0120, 39.7827



31.2126, 42.4381, 72.0216



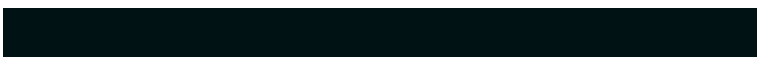
9.2917, 7.3449, 37.0048



7.6716, 8.3801, 9.6315



13.4014, 18.2631, 30.7943



0.3464, 0.4850, 0.7560

Inverse Universe

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



21.2034, 10.5090, 28.9286



37.9904, 18.4932, 51.0952



21.0482, 18.6448, 2.8383



7.8036, 7.6513, 9.2829



16.2650, 7.9147, 22.0049



0.4060, 0.1967, 0.5895

Previews

White Background



This preview shows how the XYZ color 17.6245, 24.0111, 39.7821 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6245, 24.0111, 39.7821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

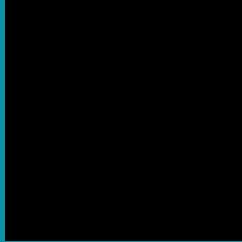
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6245, 24.0111, 39.7821

Background



This preview shows how black text looks on a background with the XYZ color 17.6245, 24.0111, 39.7821.

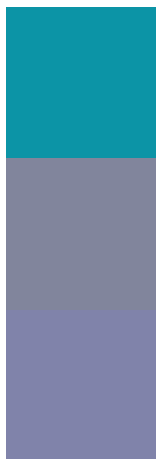


This preview shows how white text looks on a background with the XYZ color 17.6245, 24.0111,

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

17.6245, 24.0111, 39.7821

Protanopia

23.4415, 23.8425, 34.8190

Deuteranopia

24.2741, 23.7241, 41.3300



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



Original Color

17.6245, 24.0111, 39.7821



Protanomaly

19.2714, 22.6935, 36.6223



Deuteranomaly

19.9448, 22.7343, 40.8731



Tritanomaly

17.4084, 24.1650, 38.3971

Monochromacy



Original Color

17.6245, 24.0111, 39.7821



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.9363, 17.2335, 23.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6245, 24.0111, 39.7821 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(12, 148, 166)` looks like.

```
.text, #text, p{  
    color:rgb(12, 148, 166)  
}
```

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(12, 148, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 148, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.6245, 24.0111, 39.7821 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(12, 148, 166) }
```


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

```
.border{ border-color:rgb(12, 148, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 148, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 148, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 148, 166); box-shadow:4px 4px 4px 4px rgb(12, 148, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6245, 24.0111, 39.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 148, 166) }
```

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

```
.background{ background-color: rgb(12, 148,  
166) }
```

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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