

Converting Colors

XYZ(24.3935, 34.9511, 49.1766)

Have a look what the booklet for
XYZ(24.3935, 34.9511, 49.1766)
contains.

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Color

**XYZ(24.3935, 34.9511,
49.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	16B1B5
RGB	22, 177, 181
RGB Percent	9%, 69%, 71%
CMY	0.9137, 0.3059, 0.2902
CMYK	0.88, 0.02, 0.00, 0.29
HSL	182°, 78%, 40%
HSV	182°, 88%, 71%
XYZ	24.3935, 34.9511, 49.1766
YIQ	131.1110, -93.6640, -31.6160

Conversions

Conversions Part 2

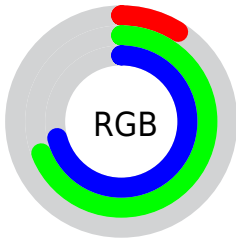
Format	Color
R_{YB}	22, 100, 181
Decimal	1487285
CIE _{Lab}	65.71, -34.45, -12.57
CIE _{LCh}	66, 36.674, 200.041
Yxy	34.9511, 0.2248, 0.3221
Android (android.graphics.Color)	4279677365 (0xFF16B1B5)
YUV	131.1110, 24.5953, -95.6903
Hunter-Lab	59.1195, -29.8075, -7.9348

Details

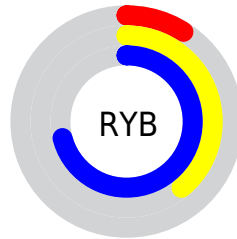
The XYZ color **24.3935, 34.9511, 49.1766** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.5711, 10.6214, 1.7786**, and the grayscale version is **21.5543, 22.6768, 24.6950**.

A 20% lighter version of the original color is **50.1339, 67.3353, 90.4754**, and **11.1039, 15.9738, 22.9201** is the 20% darker color. If you saturate the color by 10%, you get **24.0226, 34.6274, 49.1343**, and if you desaturate by 10%, it is **25.0330, 35.4152, 49.2331**.

Distribution



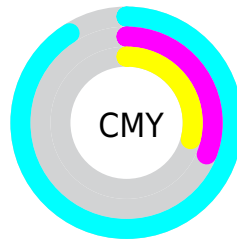
- Red (9%)
- Green (69%)
- Blue (71%)



- Red (9%)
- Yellow (39%)
- Blue (71%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3935, 34.9511, 49.1766 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 24.3935, 34.9511, 49.1766 by changing the saturation by 10% instead.

■ 24.3935, 34.9511,
49.1766

■ 24.3935, 34.9511,
49.1766

267.2076,
324.3524, 400.0796

■ 15.7521, 23.6252,
34.3930

■ 50.1216, 67.4100,
90.3374

■ 9.4386, 15.0558,
22.9159

■ 67.9390, 89.3118,
117.5517

■ 5.0878, 8.8586,
14.3267

■ 89.5458, 115.5077,
149.7466

■ 2.3341, 4.6491,
8.2069

■ 115.3072,
146.3821, 187.3407

■ 0.8120, 2.0429,
4.1380

■ 145.5888,
182.3194, 230.7525

■ 0.0000, 0.6322,
1.7013

180.7558,

■ 0.0000, 0.0000,

223.7039, 280.4005

0.3616

221.1736,
270.9201, 336.7034

■ 0.0000, 0.0000,
0.0000

■ 24.3935, 34.9511,
49.1766

■ 24.3935, 34.9511,
49.1766

■ 24.0226, 34.6274,
49.1343

■ 25.0330, 35.4152,
49.2331

■ 23.9541, 34.5633,
49.1256

■ 26.0014, 36.0486,
49.3043

■ 27.3403, 36.8734,
49.3930

■ 29.0845, 37.9077,
49.5007

■ 31.2650, 39.1672,
49.6289

■ 33.9094, 40.6664,
49.7789

■ 37.0433, 42.4184,
49.9519

■ 40.6904, 44.4354,
50.1490

■ 44.8729, 46.7288,
50.3712

Harmonies

Analogous

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



24.0113, 34.9511, 33.1440



24.3935, 34.9511, 49.1766



26.9910, 34.9511, 65.6847

Triad

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



24.3935, 34.9511, 49.1766



41.8262, 34.9511, 60.5122



35.0471, 34.9511, 15.6473

Complementary

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



24.3935, 34.9511, 49.1766



19.5711, 10.6214, 1.7786

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.



40.3404, 34.9511, 19.5183



24.3935, 34.9511, 49.1766



44.5252, 34.9511, 43.4304

Square

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



24.3935, 34.9511, 49.1766



36.9047, 34.9511, 73.3612



43.9538, 34.9511, 28.7523



29.7890, 34.9511, 16.4068

Rectangle

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



24.3935, 34.9511, 49.1766



29.8021, 34.9511, 73.3840



43.9538, 34.9511, 28.7523



36.8896, 34.9511, 16.3984

Sweetspot

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



24.3946, 34.9524, 49.1774



61.4627, 73.2435, 89.1926



17.0273, 33.2878, 6.4288



12.9064, 15.6178, 19.2565



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.3946, 34.9524, 49.1774



42.8740, 61.8477, 87.9727



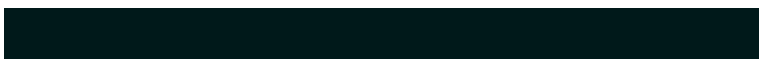
13.1205, 12.4042, 45.4194



8.7240, 9.5941, 10.8984



16.5213, 23.8430, 33.8684



0.5255, 0.7616, 1.0675

Inverse Universe

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



27.2797, 13.5728, 42.7784



48.2300, 23.2345, 75.8519



24.1677, 19.8146, 3.3108



8.8406, 8.6430, 10.6591



18.5738, 8.9471, 29.2455



0.5873, 0.2827, 0.9353

Previews

White Background



This preview shows how the XYZ color 24.3935, 34.9511, 49.1766 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 24.3935, 34.9511, 49.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

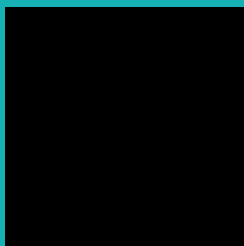
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

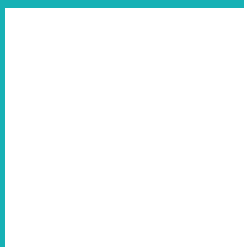
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3935, 34.9511, 49.1766

Background



This preview shows how black text looks on a background with the XYZ color 24.3935, 34.9511, 49.1766.

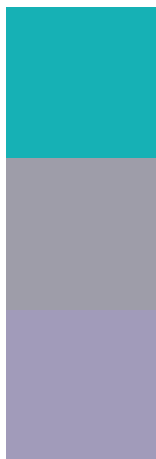


This preview shows how white text looks on a background with the XYZ color 24.3935, 34.9511,

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

24.3935, 34.9511, 49.1766

Protanopia

33.3190, 34.2476, 42.3905

Deuteranopia

35.2822, 34.5649, 51.2665



Tritanopia

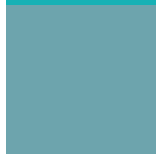
25.4793, 35.1085, 54.1489

Trichromacy



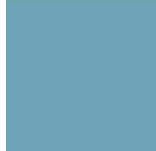
Original Color

24.3935, 34.9511, 49.1766



Protanomaly

27.1250, 32.8193, 44.4403



Deuteranomaly

28.1793, 32.9701, 50.2261



Tritanomaly

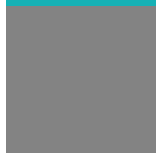
25.0304, 34.9145, 52.4336

Monochromacy



Original Color

24.3935, 34.9511, 49.1766



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.3291, 25.5739, 32.2986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3935, 34.9511, 49.1766 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(22, 177, 181)` looks like.

```
.text, #text, p{  
    color:rgb(22, 177, 181)  
}
```

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(22, 177, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 177, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.3935, 34.9511, 49.1766 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(22, 177, 181) }
```


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

```
.border{ border-color:rgb(22, 177, 181) }
```

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

Here you see how a box with a 4 pixel rgb(22, 177, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 177, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 177, 181);  
box-shadow:4px 4px 4px 4px rgb(22, 177,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3935, 34.9511, 49.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 177, 181) }
```

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

```
.background{ background-color: rgb(22, 177,  
181) }
```

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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