

Converting Colors

XYZ(24.1921, 35.8843, 44.7857)

Have a look what the booklet for
XYZ(24.1921, 35.8843, 44.7857)
contains.

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Color

**XYZ(24.1443, 35.8153,
44.6702)**

Conversions

Conversions Part 1

Format	Color
Hex	18B4AC
RGB	24, 180, 172
RGB Percent	9%, 71%, 67%
CMY	0.9058, 0.2941, 0.3255
CMYK	0.87, 0.00, 0.04, 0.29
HSL	177°, 76%, 40%
HSV	177°, 87%, 71%
XYZ	24.1443, 35.8153, 44.6702
YIQ	132.4440, -90.4080, -35.5600

Conversions

Conversions Part 2

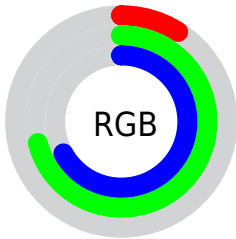
Format	Color
R_{YB}	24, 104, 180
Decimal	1619116
CIE _{Lab}	66.38, -38.42, -6.58
CIE _{LCh}	66, 38.978, 189.717
Yxy	35.8153, 0.2308, 0.3423
Android (android.graphics.Color)	4279809196 (0xFF18B4AC)
YUV	132.4440, 19.5011, -95.1054
Hunter-Lab	59.8459, -32.7160, -2.3632

Details

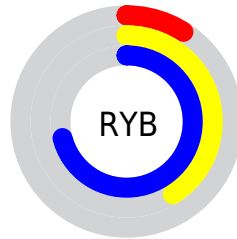
The XYZ color **24.1443, 35.8153, 44.6702** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.4109, 10.4618, 2.3638**, and the grayscale version is **22.0495, 23.1978, 25.2624**.

A 20% lighter version of the original color is **49.5695, 68.4800, 83.2784**, and **10.8510, 16.2778, 20.3393** is the 20% darker color. If you saturate the color by 10%, you get **23.7552, 35.6257, 44.1914**, and if you desaturate by 10%, it is **24.8128, 36.1504, 45.1669**.

Distribution



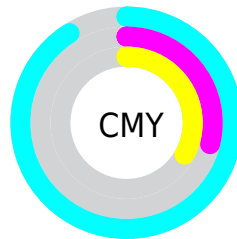
- Red (9%)
- Green (71%)
- Blue (67%)



- Red (9%)
- Yellow (41%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1443, 35.8153, 44.6702 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 24.1443, 35.8153, 44.6702 by changing the saturation by 10% instead.


 24.1443, 35.8153,
44.6702


 24.1443, 35.8153,
44.6702


265.9762,
328.1525, 381.5573


 15.5660, 24.2916,
30.8567


 49.7185, 68.7469,
83.5385


 9.3065, 15.5501,
20.2322


 67.4452, 90.9236,
109.4303


 5.0003, 9.2063,
12.3782


 88.9520, 117.4200,
140.1854

 2.2822, 4.8760,
6.8761

 114.6044,
148.6206, 176.2221

 0.7855, 2.1747,
3.3075

 144.7676,
184.9097, 217.9592

 0.0000, 0.7061,
1.2537

179.8071,

 0.0000, 0.0000,

226.6719, 265.8150

0.0234

220.0881,
274.2913, 320.2082

■ 0.0000, 0.0000,
0.0000

■ 24.1443, 35.8153,
44.6702

■ 24.1443, 35.8153,
44.6702

■ 23.7552, 35.6257,
44.1914

■ 24.8128, 36.1504,
45.1669

■ 23.6506, 35.5752,
44.0331

■ 25.8113, 36.6548,
45.6814

■ 27.1803, 37.3502,
46.2165

■ 28.9535, 38.2538,
46.7738

■ 31.1610, 39.3812,
47.3546

■ 33.8298, 40.7464,
47.9602

■ 36.9850, 42.3622,
48.5919

■ 40.6496, 44.2406,
49.2507

■ 44.8454, 46.3928,
49.9376

Harmonies

Analogous

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



24.5718, 35.8153, 28.8922



24.1443, 35.8153, 44.6702



26.1259, 35.8153, 63.3196

Triad

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



24.1443, 35.8153, 44.6702



41.7188, 35.8153, 69.2727



38.0773, 35.8153, 15.9689

Complementary

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



24.1443, 35.8153, 44.6702



19.4109, 10.4618, 2.3638

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.



43.4131, 35.8153, 21.8689



24.1443, 35.8153, 44.6702



45.6763, 35.8153, 51.2190

Square

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



24.1443, 35.8153, 44.6702



35.9686, 35.8153, 79.9730



46.3295, 35.8153, 33.8253



32.1842, 35.8153, 15.1398

Rectangle

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



24.1443, 35.8153, 44.6702



28.6954, 35.8153, 73.8102



46.3295, 35.8153, 33.8253



40.0132, 35.8153, 17.3235

Sweetspot

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



24.1454, 35.8166, 44.6711



61.4518, 73.9373, 86.9831



17.1602, 33.0568, 6.3411



12.9038, 15.7870, 18.7182



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.



24.1454, 35.8166, 44.6711



42.8547, 64.4922, 79.6951



14.4548, 15.1682, 45.3475



8.7234, 9.6239, 10.8033



16.5138, 24.8315, 30.7720



0.5253, 0.7836, 0.9982

Inverse Universe

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



19.4109, 10.4618, 2.3638



34.1956, 17.6208, 1.9478



22.7814, 17.3563, 3.0143



8.5134, 8.5121, 8.9362



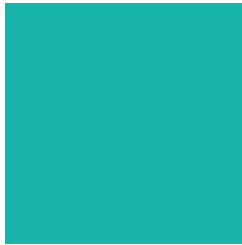
13.1799, 6.7895, 0.8412



0.4205, 0.2160, 0.0571

Previews

White Background



This preview shows how the XYZ color 24.1443, 35.8153, 44.6702 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 24.1443, 35.8153, 44.6702 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

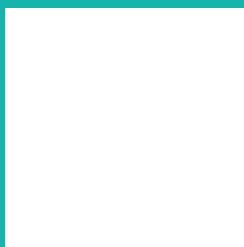
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1443, 35.8153, 44.6702

Background



This preview shows how black text looks on a background with the XYZ color 24.1443, 35.8153, 44.6702.

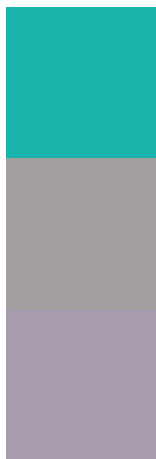


This preview shows how white text looks on a background with the XYZ color 24.1443, 35.8153,

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

24.1443, 35.8153, 44.6702

Protanopia

33.8476, 35.1209, 38.2528

Deuteranopia

35.9727, 35.2761, 46.5080



Tritanopia

26.2083, 35.7638, 54.8120

Trichromacy



Original Color

24.1443, 35.8153, 44.6702



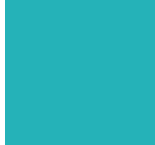
Protanomaly

27.2016, 33.7625, 40.2051



Deuteranomaly

28.3955, 33.7184, 45.5691



Tritanomaly

25.3351, 35.6948, 50.9019

Monochromacy



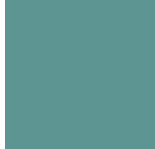
Original Color

24.1443, 35.8153, 44.6702



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.5281, 25.9286, 31.5265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1443, 35.8153, 44.6702 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(24, 180, 172)` looks like.

```
.text, #text, p{  
    color:rgb(24, 180, 172)  
}
```

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(24, 180, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.1443, 35.8153, 44.6702 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(24, 180, 172) }
```


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

```
.border{ border-color:rgb(24, 180, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 180, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 172);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1443, 35.8153, 44.6702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 180, 172) }
```

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

```
.background{ background-color: rgb(24, 180,  
172) }
```

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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