

Converting Colors

XYZ(24.6838, 35.4302, 47.6572)

Have a look what the booklet for
XYZ(24.6838, 35.4302, 47.6572)
contains.

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Color

**XYZ(24.6838, 35.4302,
47.6572)**

Conversions

Conversions Part 1

Format	Color
Hex	24B2B2
RGB	36, 178, 178
RGB Percent	14%, 70%, 70%
CMY	0.8588, 0.3020, 0.3020
CMYK	0.80, 0.00, 0.00, 0.30
HSL	180°, 66%, 42%
HSV	180°, 80%, 70%
XYZ	24.6838, 35.4302, 47.6572
YIQ	135.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

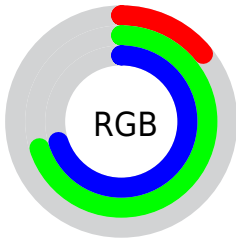
Format	Color
R_{YB}	36, 107, 178
Decimal	2405042
CIE _{Lab}	66.08, -34.80, -10.33
CIE _{LCh}	66, 36.301, 196.534
Yxy	35.4302, 0.2290, 0.3288
Android (android.graphics.Color)	4280595122 (0xFF24B2B2)
YUV	135.5420, 20.9318, -87.2983
Hunter-Lab	59.5233, -30.1433, -5.8041

Details

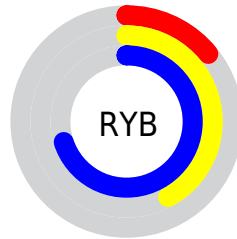
The XYZ color **24.6838, 35.4302, 47.6572** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.3106, 10.8552, 2.7476**, and the grayscale version is **23.1793, 24.3865, 26.5569**.

A 20% lighter version of the original color is **50.5808, 68.0374, 88.3085**, and **11.0353, 16.1479, 21.9373** is the 20% darker color. If you saturate the color by 10%, you get **24.2103, 35.1869, 47.6357**, and if you desaturate by 10%, it is **25.4682, 35.8353, 47.6948**.

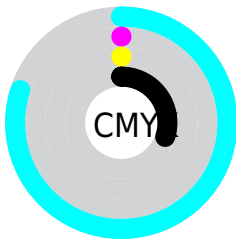
Distribution



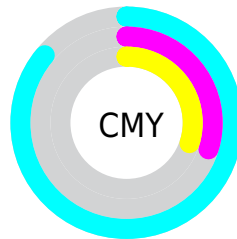
- Red (14%)
- Green (70%)
- Blue (70%)



- Red (14%)
- Yellow (42%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6838, 35.4302, 47.6572 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 24.6838, 35.4302, 47.6572 by changing the saturation by 10% instead.

■ 24.6838, 35.4302,
47.6572

■ 24.6838, 35.4302,
47.6572

268.6363,
326.4632, 393.9012

■ 15.9691, 23.9945,
33.1974

■ 50.5904, 68.1517,
88.0540

■ 9.5930, 15.3295,
22.0054

■ 68.5130, 90.2062,
114.8282

■ 5.1901, 9.0510,
13.6625

■ 90.2356, 116.5691,
146.5442

■ 2.3952, 4.7744,
7.7502

■ 116.1236,
147.6248, 183.6206

■ 0.8427, 2.1155,
3.8501

■ 146.5423,
183.7576, 226.4759

■ 0.0000, 0.6733,
1.5435

181.8571,

■ 0.0000, 0.0000,

225.3521, 275.5288

0.2500

222.4333,
272.7924, 331.1977

■ 0.0000, 0.0000,
0.0000

■ 24.6838, 35.4302,
47.6572

■ 24.6838, 35.4302,
47.6572

■ 24.2103, 35.1869,
47.6357

■ 25.4682, 35.8353,
47.6948

■ 23.9620, 35.0589,
47.6240

■ 26.6006, 36.4191,
47.7479

■ 23.9569, 35.0562,
47.6238

■ 28.1165, 37.2006,
47.8189

■ 30.0460, 38.1953,
47.9093

■ 32.4163, 39.4172,
48.0204

■ 35.2523, 40.8792,
48.1532

■ 38.5771, 42.5932,
48.3089

■ 42.4122, 44.5703,
48.4885

■ 46.7776, 46.8207,
48.6928

Harmonies

Analogous

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



24.5672, 35.4302, 32.0692



24.6838, 35.4302, 47.6572



27.0361, 35.4302, 64.3829

Triad

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



24.6838, 35.4302, 47.6572



41.7725, 35.4302, 62.8147



36.1473, 35.4302, 16.3105

Complementary

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



24.6838, 35.4302, 47.6572



19.3106, 10.8552, 2.7476

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.



41.3212, 35.4302, 20.7941



24.6838, 35.4302, 47.6572



44.7951, 35.4302, 45.9116

Square

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



24.6838, 35.4302, 47.6572



36.7121, 35.4302, 74.6075



44.6217, 35.4302, 30.7311



30.8108, 35.4302, 16.5433

Rectangle

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



24.6838, 35.4302, 47.6572



29.7141, 35.4302, 72.7179



44.6217, 35.4302, 30.7311



37.9739, 35.4302, 17.2513

Sweetspot

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



24.6849, 35.4315, 47.6581



61.4288, 72.8423, 87.2031



17.0529, 32.3886, 7.0228



13.2171, 15.9359, 19.3015



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.



24.6849, 35.4315, 47.6581



43.5591, 63.6302, 86.3655



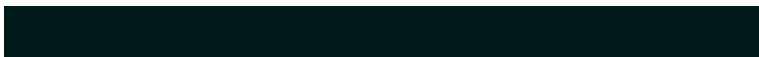
14.2727, 14.6069, 44.1880



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0743



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.3106, 10.8552, 2.7476



33.4466, 17.3860, 1.8596



23.6943, 19.6228, 4.2087



8.4964, 8.5053, 8.8464



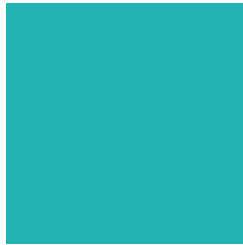
13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 24.6838, 35.4302, 47.6572 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 24.6838, 35.4302, 47.6572 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

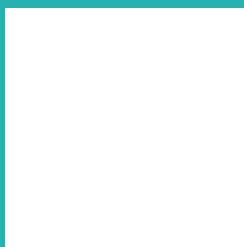
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6838, 35.4302, 47.6572

Background



This preview shows how black text looks on a background with the XYZ color 24.6838, 35.4302, 47.6572.

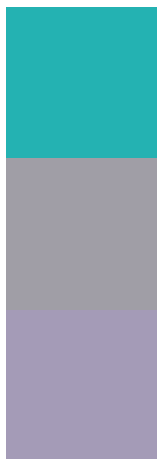


This preview shows how white text looks on a background with the XYZ color 24.6838, 35.4302,

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

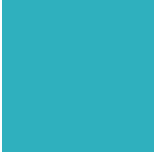
24.6838, 35.4302, 47.6572

Protanopia

33.6070, 34.6805, 40.9991

Deuteranopia

35.5784, 34.7541, 49.6328



Tritanopia

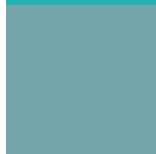
25.9919, 35.3727, 54.1729

Trichromacy



Original Color

24.6838, 35.4302, 47.6572



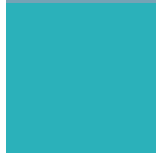
Protanomaly

27.7811, 33.4574, 43.0239



Deuteranomaly

28.7738, 33.3125, 48.6295



Tritanomaly

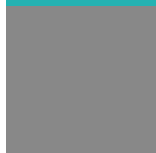
25.5813, 35.5030, 51.9589

Monochromacy



Original Color

24.6838, 35.4302, 47.6572



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.9081, 27.0769, 33.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6838, 35.4302, 47.6572 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(36, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 178)  
}
```

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(36, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.6838, 35.4302, 47.6572 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(36, 178, 178) }
```


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

```
.border{ border-color:rgb(36, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6838, 35.4302, 47.6572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 178) }
```

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

```
.background{ background-color: rgb(36, 178,  
178) }
```

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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