

Converting Colors

XYZ(24.0743, 33.1124, 46.7175)

Have a look what the booklet for
XYZ(24.0743, 33.1124, 46.7175)
contains.

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Color

**XYZ(24.0743, 33.1124,
46.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	37ABB1
RGB	55, 171, 177
RGB Percent	22%, 67%, 69%
CMY	0.7843, 0.3294, 0.3059
CMYK	0.69, 0.03, 0.00, 0.31
HSL	183°, 53%, 45%
HSV	183°, 69%, 69%
XYZ	24.0743, 33.1124, 46.7175
YIQ	137.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

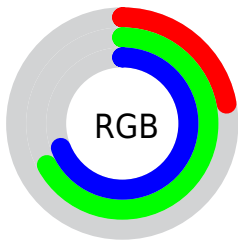
Format	Color
RYB	55, 114, 177
Decimal	3648433
CIELab	64.25, -29.56, -12.48
CIElCh	64, 32.085, 202.894
Yxy	33.1124, 0.2317, 0.3187
Android (android.graphics.Color)	4281838513 (0xFF37ABB1)
YUV	137.0000, 19.7200, -71.9140
Hunter-Lab	57.5434, -26.0222, -7.8552

Details

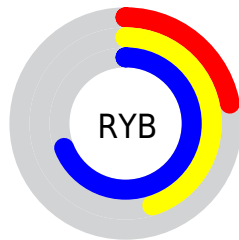
The XYZ color **24.0743, 33.1124, 46.7175** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4906, 12.9613, 5.0372**, and the grayscale version is **23.7262, 24.9618, 27.1834**.

A 20% lighter version of the original color is **49.7848, 64.7433, 86.9636**, and **10.1165, 14.4121, 21.3174** is the 20% darker color. If you saturate the color by 10%, you get **23.1095, 32.3725, 46.6261**, and if you desaturate by 10%, it is **25.3899, 34.0362, 46.8271**.

Distribution



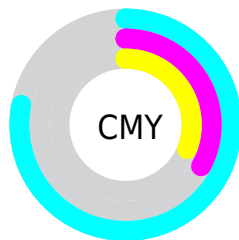
- Red (22%)
- Green (67%)
- Blue (69%)



- Red (22%)
- Yellow (45%)
- Blue (69%)



- Cyan (69%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (78%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0743, 33.1124, 46.7175 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 24.0743, 33.1124, 46.7175 by changing the saturation by 10% instead.

■ 24.0743, 33.1124,
46.7175

■ 24.0743, 33.1124,
46.7175

265.6294,
316.1559, 390.0468

■ 15.5138, 22.2126,
32.4596

■ 49.6052, 64.5510,
86.6373

■ 9.2694, 14.0132,
21.4451

■ 67.3063, 85.8585,
113.1364

■ 4.9758, 8.1298,
13.2553

■ 88.7850, 111.4040,
144.5530

■ 2.2677, 4.1781,
7.4718

■ 114.4066,
141.5720, 181.3055

■ 0.7781, 1.7737,
3.6760

■ 144.5365,
176.7468, 223.8127

■ 0.0000, 0.4707,
1.4493

179.5400,

■ 0.0000, 0.0000,

217.3128, 272.4929

0.1798

219.7825,
263.6543, 327.7648

■ 0.0000, 0.0000,
0.0000

■ 24.0743, 33.1124,
46.7175

■ 24.0743, 33.1124,
46.7175

■ 23.1095, 32.3725,
46.6261

■ 25.3899, 34.0362,
46.8271

■ 22.4533, 31.7925,
46.5488

■ 27.0866, 35.1573,
46.9541

■ 22.0349, 31.3368,
46.4829

■ 29.1949, 36.4923,
47.1006

■ 21.9936, 31.2898,
46.4760

■ 31.7416, 38.0549,
47.2680

■ 34.7509, 39.8575,
47.4573

■ 38.2453, 41.9120,
47.6697

■ 42.2461, 44.2290,
47.9061

■ 46.7730, 46.8189,
48.1674

■ 51.8449, 49.6914,
48.4545

Harmonies

Analogous

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



23.5573, 33.1124, 33.0391



24.0743, 33.1124, 46.7175



26.4790, 33.1124, 59.9836

Triad

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



24.0743, 33.1124, 46.7175



38.9861, 33.1124, 53.4008



32.5683, 33.1124, 16.4530

Complementary

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



24.0743, 33.1124, 46.7175



20.4906, 12.9613, 5.0372

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.



37.0570, 33.1124, 19.5222



24.0743, 33.1124, 46.7175



40.9871, 33.1124, 39.2465

Square

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



24.0743, 33.1124, 46.7175



35.0036, 33.1124, 64.4466



40.2491, 33.1124, 27.1504



28.1869, 33.1124, 17.5326

Rectangle

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



24.0743, 33.1124, 46.7175



28.9659, 33.1124, 65.7306



40.2491, 33.1124, 27.1504



34.1193, 33.1124, 17.0025

Sweetspot

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



24.0753, 33.1136, 46.7183



60.8452, 70.5552, 84.9069



18.0897, 32.5738, 9.4817



12.8667, 15.0996, 18.3807



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.0753, 33.1136, 46.7183



40.6783, 57.3733, 83.4255



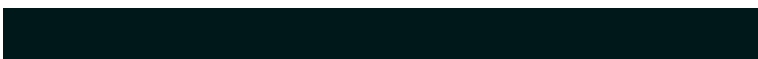
15.2992, 15.5615, 43.7929



8.7061, 9.5585, 10.8924



15.9482, 22.6967, 33.6773



0.5126, 0.7358, 1.0632

Inverse Universe

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



26.8492, 15.0207, 40.0136



46.1349, 23.3668, 69.8816



25.5465, 23.0732, 6.7225



8.8316, 8.6394, 10.6118



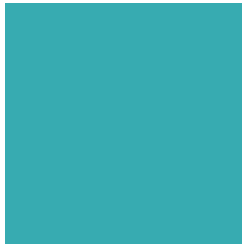
18.2846, 8.8314, 27.7221



0.5808, 0.2801, 0.9011

Previews

White Background



This preview shows how the XYZ color 24.0743, 33.1124, 46.7175 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 24.0743, 33.1124, 46.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

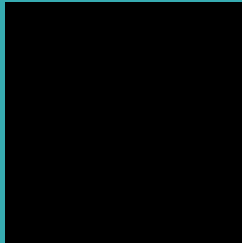
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0743, 33.1124, 46.7175

Background



This preview shows how black text looks on a background with the XYZ color 24.0743, 33.1124, 46.7175.

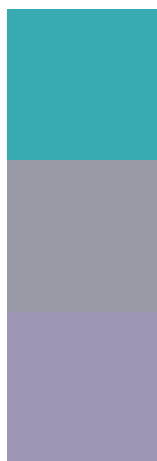


This preview shows how white text looks on a background with the XYZ color 24.0743, 33.1124,

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

24.0743, 33.1124, 46.7175

Protanopia

31.7650, 32.7344, 40.7206

Deuteranopia

33.3117, 32.6375, 48.2600



Tritanopia

24.8301, 33.1399, 50.4354

Trichromacy



Original Color

24.0743, 33.1124, 46.7175



Protanomaly

27.2977, 31.8954, 42.7479



Deuteranomaly

28.2108, 31.7421, 47.8200



Tritanomaly

24.4601, 32.9852, 48.7937

Monochromacy



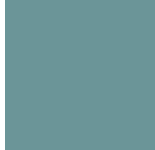
Original Color

24.0743, 33.1124, 46.7175



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.4783, 26.8877, 33.7109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0743, 33.1124, 46.7175 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(55, 171, 177)` looks like.

```
.text, #text, p{  
    color:rgb(55, 171, 177)  
}
```

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(55, 171, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 171, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.0743, 33.1124, 46.7175 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(55, 171, 177) }
```


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

```
.border{ border-color:rgb(55, 171, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 171, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 171, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 171, 177);  
box-shadow:4px 4px 4px 4px rgb(55, 171,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0743, 33.1124, 46.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 171, 177) }
```

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

```
.background{ background-color: rgb(55, 171,  
177) }
```

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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