

Converting Colors

XYZ(30.4424, 40.8656, 46.8408)

Have a look what the booklet for
XYZ(30.4424, 40.8656, 46.8408)
contains.

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Color

**XYZ(30.4424, 40.8656,
46.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	63BAAF
RGB	99, 186, 175
RGB Percent	39%, 73%, 69%
CMY	0.6117, 0.2706, 0.3137
CMYK	0.47, 0.00, 0.06, 0.27
HSL	172°, 39%, 56%
HSV	172°, 47%, 73%
XYZ	30.4424, 40.8656, 46.8408
YIQ	158.7330, -48.3210, -21.8650

Conversions

Conversions Part 2

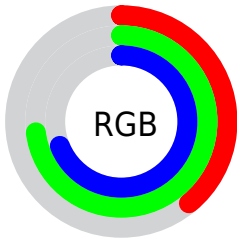
Format	Color
R_{YB}	99, 145, 186
Decimal	6535855
CIE _{Lab}	70.08, -28.94, -2.56
CIE _{LCh}	70, 29.057, 185.060
Yxy	40.8656, 0.2577, 0.3459
Android (android.graphics.Color)	4284725935 (0xFF63BAAF)
YUV	158.7330, 8.0196, -52.3858
Hunter-Lab	63.9262, -26.8671, 1.3046

Details

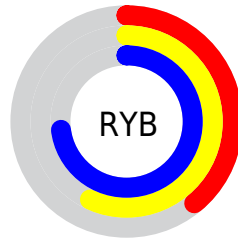
The XYZ color **30.4424, 40.8656, 46.8408** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5275, 20.4898, 17.2576**, and the grayscale version is **32.8141, 34.5230, 37.5956**.

A 20% lighter version of the original color is **59.5526, 76.1860, 86.4295**, and **12.7015, 18.3837, 21.6179** is the 20% darker color. If you saturate the color by 10%, you get **28.4109, 39.8458, 45.5510**, and if you desaturate by 10%, it is **32.9483, 42.1315, 48.1756**.

Distribution



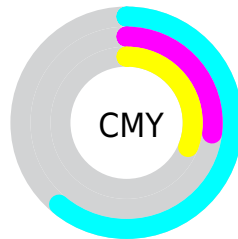
- Red (39%)
- Green (73%)
- Blue (69%)



- Red (39%)
- Yellow (57%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)



- Cyan (61%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4424, 40.8656, 46.8408 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 30.4424, 40.8656, 46.8408 by changing the saturation by 10% instead.

■ 30.4424, 40.8656,
46.8408

■ 30.4424, 40.8656,
46.8408

295.8341,
349.7586, 390.5541

■ 20.3244, 28.2141,
32.5564

■ 59.7429, 76.4798,
86.8234

■ 12.7407, 18.4871,
21.5185

■ 79.6562, 100.2113,
113.3587

■ 7.3260, 11.3003,
13.3086

■ 103.5652,
128.4049, 144.8147

■ 3.7149, 6.2692,
7.5082

■ 131.8353,
161.4451, 181.6099

■ 1.5422, 3.0094,
3.6987

164.8319,
199.7161, 224.1629

■ 0.3543, 1.1367,
1.4615

202.9203,

■ 0.0000, 0.0090,

243.6024, 272.8923

0.1890

246.4659,
293.4885, 328.2165

■ 0.0000, 0.0000,
0.0000

■ 30.4424, 40.8656,
46.8408

■ 30.4424, 40.8656,
46.8408

■ 28.4109, 39.8458,
45.5510

■ 32.9483, 42.1315,
48.1756

■ 26.8177, 39.0505,
44.3017

■ 35.9544, 43.6538,
49.5540

■ 25.6271, 38.4622,
43.0921


■ 39.4892, 45.4482,
50.9784


■ 24.7964, 38.0590,
41.9200


■ 43.5777, 47.5276,
52.4500


■ 24.2671, 37.8108,
40.7826


■ 48.2434, 49.9040,
53.9701

 24.1240, 37.7449,
40.4213

 53.5085, 52.5890,
55.5397

 59.3939, 55.5932,
57.1600

 65.9196, 58.9271,
58.8320

 68.7828, 60.3725,
60.3544

Harmonies

Analogous

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



31.1408, 40.8656, 34.3605



30.4424, 40.8656, 46.8408



31.8406, 40.8656, 61.2598

Triad

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



30.4424, 40.8656, 46.8408



44.3228, 40.8656, 69.4992



42.8178, 40.8656, 24.7564

Complementary

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



30.4424, 40.8656, 46.8408



27.5275, 20.4898, 17.2576

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.



46.8001, 40.8656, 31.1083



30.4424, 40.8656, 46.8408



47.7174, 40.8656, 56.4504

Square

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



30.4424, 40.8656, 46.8408



39.6520, 40.8656, 75.9349



48.6588, 40.8656, 42.2302



38.0422, 40.8656, 23.2101

Rectangle

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



30.4424, 40.8656, 46.8408



33.8462, 40.8656, 69.5416



48.6588, 40.8656, 42.2302



44.3057, 40.8656, 26.3264

Sweetspot

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



30.4436, 40.8672, 46.8418



73.3602, 83.2825, 93.0676



26.3177, 39.3739, 18.0182



15.8182, 18.1690, 20.3690



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.4436, 40.8672, 46.8418



51.4443, 72.1950, 82.5255



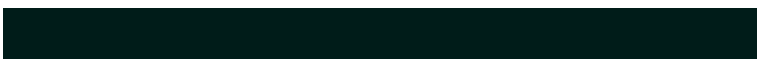
25.5820, 29.3435, 50.7717



9.2165, 10.1906, 11.2973



16.2485, 25.4003, 27.2940



0.5866, 0.9009, 1.0348

Inverse Universe

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



27.5275, 20.4898, 17.2576



45.5409, 30.8004, 22.5293



30.6061, 27.5472, 15.5094



9.0496, 9.0302, 9.6086



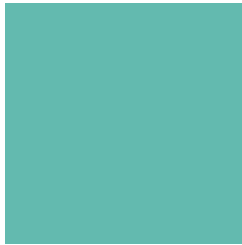
13.7467, 7.0724, 1.2871



0.4997, 0.2554, 0.1248

Previews

White Background



This preview shows how the XYZ color 30.4424, 40.8656, 46.8408 looks on a white background.

Color Contrast Check

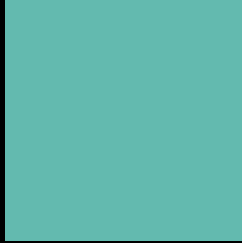
Large Text (above 18pt) WCAG AA × Fail

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 30.4424, 40.8656, 46.8408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

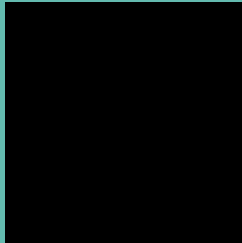
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4424, 40.8656, 46.8408

Background



This preview shows how black text looks on a background with the XYZ color 30.4424, 40.8656, 46.8408.

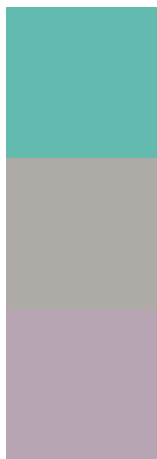


This preview shows how white text looks on a background with the XYZ color 30.4424, 40.8656,

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

30.4424, 40.8656, 46.8408

Protanopia

38.7132, 40.5013, 41.8535

Deuteranopia

41.1203, 40.2322, 48.2461



Tritanopia

32.9554, 40.9624, 58.9929

Trichromacy



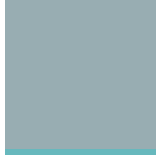
Original Color

30.4424, 40.8656, 46.8408



Protanomaly

34.7194, 40.1183, 43.4498



Deuteranomaly

35.9283, 39.7769, 47.9036



Tritanomaly

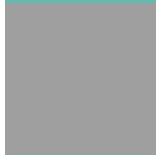
31.9193, 40.8387, 54.3444

Monochromacy



Original Color

30.4424, 40.8656, 46.8408



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.2960, 36.4109, 40.9758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4424, 40.8656, 46.8408 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(99, 186, 175)` looks like.

```
.text, #text, p{  
    color:rgb(99, 186, 175)  
}
```

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(99, 186, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 186, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.4424, 40.8656, 46.8408 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(99, 186, 175) }
```


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

```
.border{ border-color:rgb(99, 186, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 186, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 186, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 186, 175);  
box-shadow:4px 4px 4px 4px rgb(99, 186,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4424, 40.8656, 46.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 186, 175) }
```

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

```
.background{ background-color: rgb(99, 186,  
175) }
```

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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