

Converting Colors

XYZ(32.0436, 40.7287, 46.3305)

Have a look what the booklet for
XYZ(32.0436, 40.7287, 46.3305)
contains.

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Color

**XYZ(32.0447, 40.7745,
46.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	76B7AE
RGB	118, 183, 174
RGB Percent	46%, 72%, 68%
CMY	0.5372, 0.2823, 0.3176
CMYK	0.36, 0.00, 0.05, 0.28
HSL	172°, 31%, 59%
HSV	172°, 36%, 72%
XYZ	32.0447, 40.7745, 46.2257
YIQ	162.5390, -35.8510, -16.5790

Conversions

Conversions Part 2

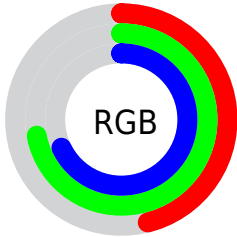
Format	Color
R_{YB}	118, 153, 183
Decimal	7780270
CIE _{Lab}	70.02, -22.77, -2.01
CIE _{LCh}	70, 22.857, 185.044
Y _{xy}	40.7745, 0.2692, 0.3425
Android (android.graphics.Color)	4285970350 (0xFF76B7AE)
YUV	162.5390, 5.6503, -39.0607
Hunter-Lab	63.8549, -22.1684, 1.7774

Details

The XYZ color **32.0447, 40.7745, 46.2257** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.8391, 24.5577, 23.2478**, and the grayscale version is **34.5829, 36.3839, 39.6220**.

A 20% lighter version of the original color is **62.2429, 76.2744, 85.5706**, and **13.6755, 18.4942, 21.2613** is the 20% darker color. If you saturate the color by 10%, you get **29.5521, 39.5188, 44.8321**, and if you desaturate by 10%, it is **35.0264, 42.2838, 47.6683**.

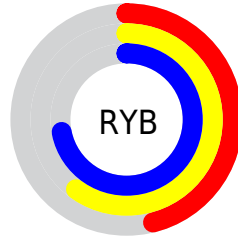
Distribution



Red (46%)

Green (72%)

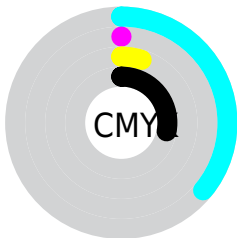
Blue (68%)



Red (46%)

Yellow (60%)

Blue (72%)

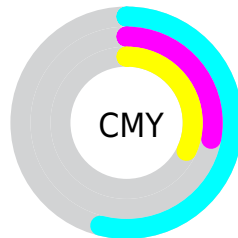


Cyan (36%)

Magenta (0%)

Yellow (5%)

Black (28%)



Cyan (54%)


Magenta (28%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0447, 40.7745, 46.2257 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 32.0447, 40.7745, 46.2257 by changing the saturation by 10% instead.


 32.0447, 40.7745,
46.2257


 32.0447, 40.7745,
46.2257


303.0645,
349.3773, 388.0192


 21.5514, 28.1429,
32.0740


 62.2459, 76.3415,
85.8945

 13.6424, 18.4334,
21.1527


 82.6844, 100.0456,
112.2487

 7.9524, 11.2616,
13.0434


 107.1687,
128.2095, 143.5075

 4.1160, 6.2431,
7.3273

136.0642,
161.2173, 180.0894

 1.7680, 2.9934,
3.5861

169.7362,
199.4537, 222.4130

 0.4983, 1.1283,
1.4011

208.5500,

 0.0000, 0.0020,

243.3028, 270.8968

0.1426

252.8709,
293.1492, 325.9594

■ 0.0000, 0.0000,
0.0000

■ 32.0447, 40.7745,
46.2257

■ 32.0447, 40.7745,
46.2257

■ 29.5521, 39.5188,
44.8321

■ 35.0264, 42.2838,
47.6683

■ 27.5172, 38.4975,
43.4833

■ 38.5195, 44.0552,
49.1584

■ 25.9101, 37.6963,
42.1786

■ 42.5492, 46.1027,
50.6982

■ 24.6962, 37.0971,
40.9162

■ 47.1377, 48.4377,
52.2889

■ 23.8352, 36.6794,
39.6941

■ 52.3064, 51.0712,
53.9316

■ 23.2770, 36.4173,
38.5099

■ 58.0751, 54.0136,
55.6273

■ 23.0764, 36.3252,
37.9892

■ 64.4630, 57.2746,
57.3772

■ 67.9429, 59.0358,
59.0162

■ 68.2306, 59.1509,
60.5312

Harmonies

Analogous

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



32.6131, 40.7745, 36.2866



32.0447, 40.7745, 46.2257



33.1780, 40.7745, 57.2570

Triad

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



32.0447, 40.7745, 46.2257



43.0179, 40.7745, 63.4120



41.8584, 40.7745, 28.2654

Complementary

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



32.0447, 40.7745, 46.2257



29.8391, 24.5577, 23.2478

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.



44.9242, 40.7745, 33.6221



32.0447, 40.7745, 46.2257



45.6231, 40.7745, 53.6328

Square

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



32.0447, 40.7745, 46.2257



39.3885, 40.7745, 68.1439



46.3421, 40.7745, 42.6162



38.1282, 40.7745, 26.9274

Rectangle

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



32.0447, 40.7745, 46.2257



34.7917, 40.7745, 63.4348



46.3421, 40.7745, 42.6162



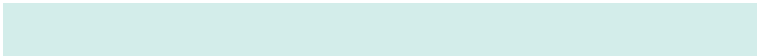
43.0083, 40.7745, 29.6083

Sweetspot

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



32.0459, 40.7761, 46.2266



71.9947, 80.4275, 89.2233



29.0693, 39.7465, 23.2801



15.6904, 17.6568, 19.6249



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.0459, 40.7761, 46.2266



53.6705, 71.1499, 80.7360



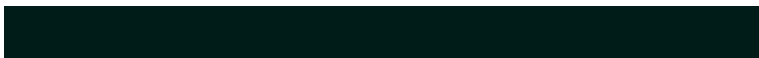
28.6339, 32.5003, 49.5656



9.2117, 10.1887, 11.2724



16.1167, 25.3476, 26.6002



0.5830, 0.8995, 1.0161

Inverse Universe

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



29.8391, 24.5577, 23.2478



49.1123, 37.5868, 33.2252



32.2879, 30.3528, 21.2973



9.0539, 9.0319, 9.6314



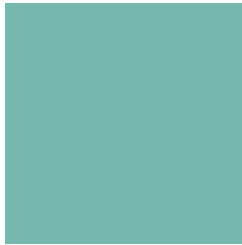
13.7638, 7.0793, 1.3771



0.5015, 0.2561, 0.1346

Previews

White Background



This preview shows how the XYZ color 32.0447, 40.7745, 46.2257 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 32.0447, 40.7745, 46.2257 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

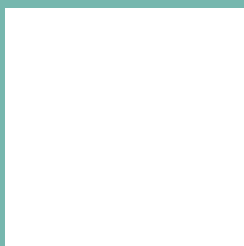
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0447, 40.7745, 46.2257

Background



This preview shows how black text looks on a background with the XYZ color 32.0447, 40.7745, 46.2257.

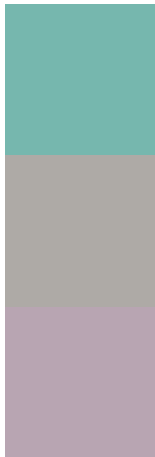


This preview shows how white text looks on a background with the XYZ color 32.0447, 40.7745,

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

32.0447, 40.7745, 46.2257

Protanopia

38.7132, 40.5013, 41.8535

Deuteranopia

41.2582, 40.3150, 47.7265



Tritanopia

34.2272, 40.7485, 57.1002

Trichromacy



Original Color

32.0447, 40.7745, 46.2257

Protanomaly

35.8178, 40.3945, 43.4452

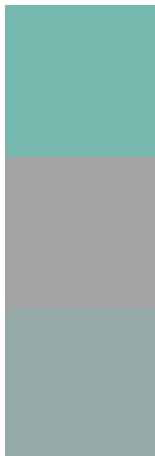
Deuteranomaly

37.1855, 40.1530, 47.3854

Tritanomaly

33.3787, 40.7006, 53.1105

Monochromacy



Original Color

32.0447, 40.7745, 46.2257

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.3824, 37.7425, 42.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0447, 40.7745, 46.2257 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(118, 183, 174)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 174)  
}
```

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(118, 183, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 174) }
```

Border

The CSS property to change the border of an element to XYZ 32.0447, 40.7745, 46.2257 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(118, 183, 174) }
```


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

```
.border{ border-color:rgb(118, 183, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 183, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 183, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 183, 174);  
box-shadow:4px 4px 4px 4px rgb(118, 183,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0447, 40.7745, 46.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 174) }
```

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

```
.background{ background-color: rgb(118,  
183, 174) }
```

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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