

Converting Colors

XYZ(32.6026, 42.2153, 45.3664)

Have a look what the booklet for
XYZ(32.6026, 42.2153, 45.3664)
contains.

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Color

**XYZ(32.6879, 42.3708,
45.4853)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 76BBAC |
| RGB | 118, 187, 172 |
| RGB Percent | 46%, 73%, 67% |
| CMY | 0.5372, 0.2667, 0.3255 |
| CMYK | 0.37, 0.00, 0.08, 0.27 |
| HSL | 167°, 34%, 60% |
| HSV | 167°, 37%, 73% |
| XYZ | 32.6879, 42.3708, 45.4853 |
| YIQ | 164.6590, -36.3090, -19.2930 |

Conversions

Conversions Part 2

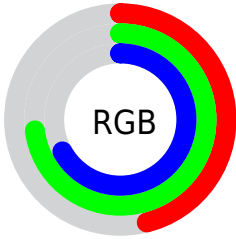
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 118, 157, 187 |
| Decimal | 7781292 |
| CIE Lab | 71.13, -25.23, 0.71 |
| CIE LCh | 71, 25.242, 178.393 |
| Yxy | 42.3708, 0.2712, 0.3515 |
| Android (android.graphics.Color) | 4285971372 (0xFF76BBAC) |
| YUV | 164.6590, 3.6191, -40.9199 |
| Hunter-Lab | 65.0929, -24.2746, 4.1346 |

Details

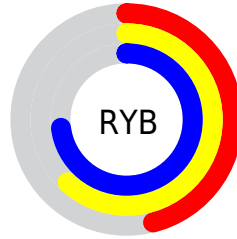
The XYZ color **32.6879, 42.3708, 45.4853** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.2070, 25.2161, 25.4142**, and the grayscale version is **35.5975, 37.4514, 40.7845**.

A 20% lighter version of the original color is **63.1493, 78.5315, 84.5028**, and **13.9577, 19.2549, 20.7502** is the 20% darker color. If you saturate the color by 10%, you get **30.0116, 41.0366, 43.3535**, and if you desaturate by 10%, it is **35.8820, 43.9727, 47.7056**.

Distribution



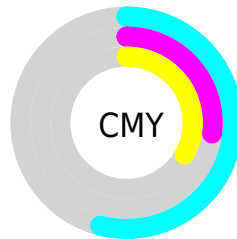
- Red (46%)
- Green (73%)
- Blue (67%)



- Red (46%)
- Yellow (62%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)





- Cyan (54%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6879, 42.3708, 45.4853 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 32.6879, 42.3708, 45.4853 by changing the saturation by 10% instead.

 32.6879, 42.3708,
45.4853


 32.6879, 42.3708,
45.4853


305.9310,
356.0178, 384.9528

 22.0456, 29.3917,
31.4941


 63.2459, 78.7605,
84.7743

 14.0072, 19.3774,
20.7138


 83.8923, 102.9400,
110.9093

 8.2074, 11.9433,
12.7257


 108.6040,
131.6217, 141.9292

 4.2809, 6.7051,
7.1115

137.7465,
165.1900, 178.2527

 1.8622, 3.2783,
3.4524

171.6851,
204.0294, 220.2982

 0.5547, 1.2787,
1.3300

210.7851,

 0.0000, 0.1246,

248.5242, 268.4844

0.0862

255.4120,
299.0589, 323.2297

■ 0.0000, 0.0000,
0.0000

■ 32.6879, 42.3708,
45.4853

■ 32.6879, 42.3708,
45.4853

■ 30.0116, 41.0366,
43.3535

■ 35.8820, 43.9727,
47.7056

■ 27.8195, 39.9496,
41.3052

■ 39.6179, 45.8514,
50.0132

■ 26.0795, 39.0943,
39.3393


■ 43.9222, 48.0217,
52.4109


■ 24.7544, 38.4516,
37.4536


■ 48.8190, 50.4961,
54.9003


■ 23.8005, 37.9989,
35.6454

■ 54.3307, 53.2860,
57.4830


 23.1579, 37.7053,
33.9113

 60.4787, 56.4026,
60.1605

 22.9864, 37.6283,
33.3868

 67.2834, 59.8562,
62.9343

 69.9736, 61.1872,
65.5815

 70.4695, 61.3856,
68.1926

Harmonies

Analogous

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



33.7445, 42.3708, 34.9877



32.6879, 42.3708, 45.4853



33.5424, 42.3708, 58.1007

Triad

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



32.6879, 42.3708, 45.4853



44.2584, 42.3708, 69.7674



44.6799, 42.3708, 29.0270

Complementary

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



32.6879, 42.3708, 45.4853



31.2070, 25.2161, 25.4142

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.



47.8467, 42.3708, 35.9358



32.6879, 42.3708, 45.4853



47.5917, 42.3708, 59.4284

Square

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



32.6879, 42.3708, 45.4853



40.0448, 42.3708, 73.5060



48.9472, 42.3708, 46.7900



40.5004, 42.3708, 26.5731

Rectangle

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



32.6879, 42.3708, 45.4853



35.1170, 42.3708, 65.8005



48.9472, 42.3708, 46.7900



45.9087, 42.3708, 30.8385

Sweetspot

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



32.6891, 42.3725, 45.4863



75.2349, 84.2743, 92.0062



30.8891, 41.9270, 23.6048



16.3370, 18.4421, 20.1327



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.



32.6891, 42.3725, 45.4863



54.7209, 73.9774, 78.4649



30.5558, 35.6682, 52.2900



9.7174, 10.7731, 11.7611



15.8647, 25.9362, 23.1482



0.6439, 1.0249, 1.0252

Inverse Universe

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



31.2070, 25.2161, 25.4142



51.7038, 38.9317, 37.5151



32.6255, 29.5952, 21.1330



9.6128, 9.5694, 10.3500



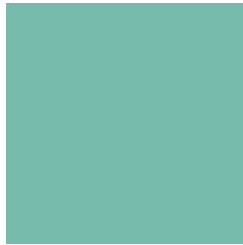
14.4144, 7.3969, 2.2098



0.5895, 0.2997, 0.2178

Previews

White Background



This preview shows how the XYZ color 32.6879, 42.3708, 45.4853 looks on a white background.

Color Contrast Check

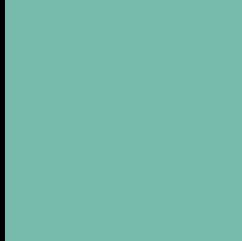
Large Text (above 18pt) WCAG AA × Fail

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 32.6879, 42.3708, 45.4853 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

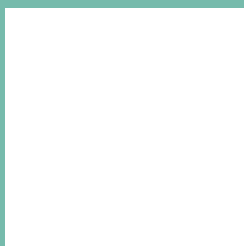
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6879, 42.3708, 45.4853

Background



This preview shows how black text looks on a background with the XYZ color 32.6879, 42.3708, 45.4853.



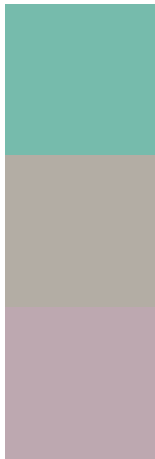
This preview shows how white text looks on a background with the XYZ color 32.6879, 42.3708,

45.4853.

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

32.6879, 42.3708, 45.4853

Protanopia

40.2348, 42.1512, 41.1373

Deuteranopia

42.8254, 41.9587, 46.9160



Tritanopia

35.4387, 42.2293, 59.7093

Trichromacy



Original Color

32.6879, 42.3708, 45.4853

Protanomaly

36.8001, 41.7989, 42.6876

Deuteranomaly

38.1721, 41.5416, 46.5639

Tritanomaly

34.3518, 42.0927, 54.4583

Monochromacy



Original Color

32.6879, 42.3708, 45.4853

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.2242, 39.0102, 42.7717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6879, 42.3708, 45.4853 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, 187, 172)` looks like.

```
.text, #text, p{  
    color:rgb(118, 187, 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(118, 187, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 187, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.6879, 42.3708, 45.4853 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, 187, 172) }
```


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

```
.border{ border-color:rgb(118, 187, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 187, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 187, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 187, 172);  
box-shadow:4px 4px 4px 4px rgb(118, 187,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6879, 42.3708, 45.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 187, 172) }
```

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

```
.background{ background-color: rgb(118,  
187, 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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