

Converting Colors

XYZ(30.7452, 40.1471, 47.6622)

Have a look what the booklet for
XYZ(30.7452, 40.1471, 47.6622)
contains.

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Color

**XYZ(30.6950, 40.0446,
47.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	69B7B1
RGB	105, 183, 177
RGB Percent	41%, 72%, 69%
CMY	0.5882, 0.2823, 0.3059
CMYK	0.43, 0.00, 0.03, 0.28
HSL	175°, 35%, 56%
HSV	175°, 43%, 72%
XYZ	30.6950, 40.0446, 47.7065
YIQ	158.9940, -44.5620, -18.4020

Conversions

Conversions Part 2

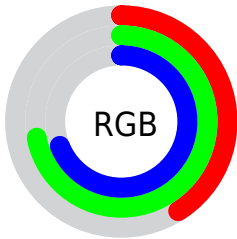
Format	Color
RYB	105, 146, 183
Decimal	6928305
CIELab	69.50, -25.50, -4.49
CIElCh	70, 25.891, 189.982
Yxy	40.0446, 0.2591, 0.3381
Android (android.graphics.Color)	4285118385 (0xFF69B7B1)
YUV	158.9940, 8.8770, -47.3527
Hunter-Lab	63.2808, -24.1582, -0.4013

Details

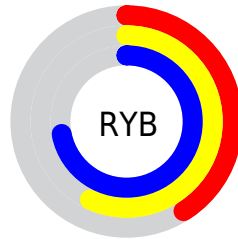
The XYZ color **30.6950, 40.0446, 47.7065** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.4507, 21.3193, 17.7087**, and the grayscale version is **32.9282, 34.6430, 37.7262**.

A 20% lighter version of the original color is **60.0717, 75.0898, 88.4185**, and **12.9509, 18.0989, 22.2129** is the 20% darker color. If you saturate the color by 10%, you get **28.6332, 38.9988, 46.8819**, and if you desaturate by 10%, it is **33.2231, 41.3326, 48.5623**.

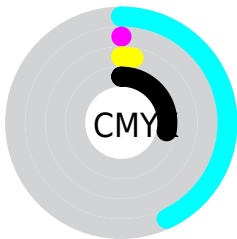
Distribution



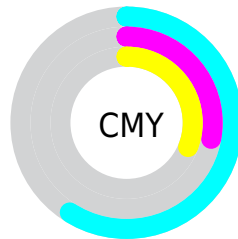
- Red (41%)
- Green (72%)
- Blue (69%)



- Red (41%)
- Yellow (57%)
- Blue (72%)



- Cyan (43%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (59%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6950, 40.0446, 47.7065 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 30.6950, 40.0446, 47.7065 by changing the saturation by 10% instead.

■ 30.6950, 40.0446,
47.7065

■ 30.6950, 40.0446,
47.7065

296.9828,
346.3115, 394.1027

■ 20.5174, 27.5733,
33.2362

■ 60.1387, 75.2314,
88.1282

■ 12.8821, 18.0043,
22.0348

■ 80.1355, 98.7158,
114.9168

■ 7.4239, 10.9531,
13.6839

■ 104.1360,
126.6399, 146.6484

■ 3.7772, 6.0353,
7.7649

■ 132.5057,
159.3882, 183.7417

■ 1.5769, 2.8665,
3.8593

165.6098,
197.3452, 226.6153

■ 0.3773, 1.0625,
1.5485

203.8138,

■ 0.0000, 0.0000,

240.8951, 275.6876

0.2537

247.4830,
290.4224, 331.3772

■ 0.0000, 0.0000,
0.0000

■ 30.6950, 40.0446,
47.7065

■ 30.6950, 40.0446,
47.7065

■ 28.6332, 38.9988,
46.8819

■ 33.2231, 41.3326,
48.5623

■ 27.0043, 38.1750,
46.0841

■ 36.2413, 42.8720,
49.4477

■ 25.7758, 37.5576,
45.3127


■ 39.7759, 44.6775,
50.3649


■ 24.9096, 37.1266,
44.5657


■ 43.8504, 46.7612,
51.3150


■ 24.3596, 36.8586,
43.8410

■ 48.4868, 49.1344,
52.2990

 24.0882, 36.7300,
43.3173

 53.7059, 51.8078,
53.3180

 59.5274, 54.7916,
54.3729

 65.9701, 58.0954,
55.4645

 67.4330, 58.8319,
56.3309

Harmonies

Analogous

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



31.0107, 40.0446, 36.2010



30.6950, 40.0446, 47.7065



32.2396, 40.0446, 60.0918

Triad

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



30.6950, 40.0446, 47.7065



43.4517, 40.0446, 63.6801



40.8736, 40.0446, 25.3824

Complementary

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



30.6950, 40.0446, 47.7065



27.4507, 21.3193, 17.7087

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.



44.5445, 40.0446, 30.4434



30.6950, 40.0446, 47.7065



46.1066, 40.0446, 51.9480

Square

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



30.6950, 40.0446, 47.7065



39.4687, 40.0446, 70.3665



46.5206, 40.0446, 39.7395



36.6876, 40.0446, 24.6641

Rectangle

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



30.6950, 40.0446, 47.7065



34.1876, 40.0446, 66.6720



46.5206, 40.0446, 39.7395



42.2168, 40.0446, 26.5815

Sweetspot

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



30.6962, 40.0462, 47.7074



70.8336, 79.8083, 90.1002



26.1032, 38.3006, 19.3824



15.3212, 17.4617, 19.8194



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.



30.6962, 40.0462, 47.7074



51.5390, 69.9750, 84.0748



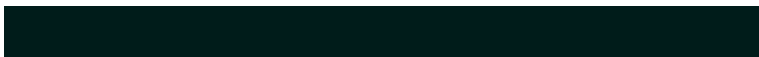
25.3605, 28.3961, 48.9459



9.2361, 10.1984, 11.4004



16.8151, 25.6270, 30.2780



0.6017, 0.9070, 1.1143

Inverse Universe

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



27.4507, 21.3193, 17.7087



44.9784, 32.0619, 23.3914



31.0966, 29.1224, 17.3476



9.0319, 9.0231, 9.5154



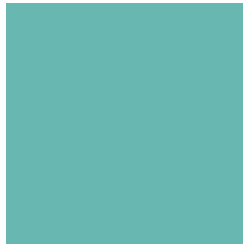
13.6896, 7.0496, 0.9860



0.4921, 0.2523, 0.0847

Previews

White Background



This preview shows how the XYZ color 30.6950, 40.0446, 47.7065 looks on a white background.

Color Contrast Check

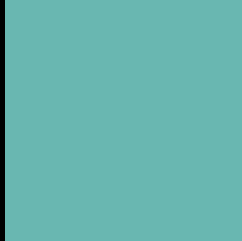
Large Text (above 18pt) WCAG AA × Fail

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 30.6950, 40.0446, 47.7065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

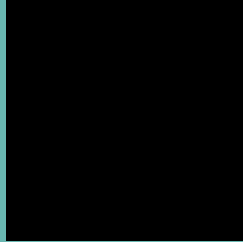
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6950, 40.0446, 47.7065

Background



This preview shows how black text looks on a background with the XYZ color 30.6950, 40.0446, 47.7065.

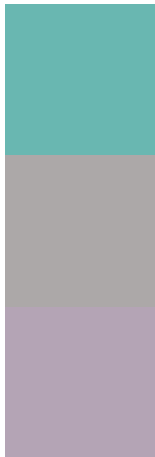


This preview shows how white text looks on a background with the XYZ color 30.6950, 40.0446,

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

30.6950, 40.0446, 47.7065

Protanopia

38.0838, 39.6031, 42.6827

Deuteranopia

40.4383, 39.5904, 49.2264



Tritanopia

32.6020, 39.8976, 57.6125

Trichromacy



Original Color

30.6950, 40.0446, 47.7065

Protanomaly

34.5070, 39.1233, 44.2609

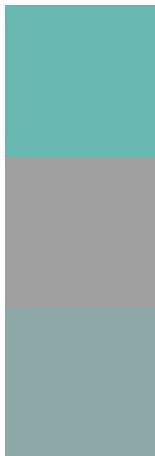
Deuteranomaly

35.9380, 39.1934, 48.8510

Tritanomaly

31.7853, 39.8667, 53.5967

Monochromacy



Original Color

30.6950, 40.0446, 47.7065

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5330, 36.2474, 41.4109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6950, 40.0446, 47.7065 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(105, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 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(105, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.6950, 40.0446, 47.7065 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(105, 183, 177) }
```


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

```
.border{ border-color:rgb(105, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 183, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 183, 177); box-shadow:4px 4px 4px 4px rgb(105, 183, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6950, 40.0446, 47.7065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 177) }
```

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

```
.background{ background-color: rgb(105,  
183, 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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