

Converting Colors

XYZ(31.0427, 40.1751, 51.2471)

Have a look what the booklet for
XYZ(31.0427, 40.1751, 51.2471)
contains.

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Color

**XYZ(31.0647, 40.1524,
51.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	66B7B8
RGB	102, 183, 184
RGB Percent	40%, 72%, 72%
CMY	0.6000, 0.2823, 0.2784
CMYK	0.45, 0.01, 0.00, 0.28
HSL	181°, 37%, 56%
HSV	181°, 45%, 72%
XYZ	31.0647, 40.1524, 51.4603
YIQ	158.8950, -48.5970, -16.8610

Conversions

Conversions Part 2

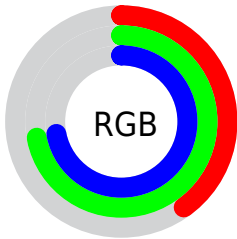
Format	Color
R_{YB}	102, 143, 184
Decimal	6731704
CIE _{Lab}	69.58, -24.46, -8.24
CIE _{LCh}	70, 25.808, 198.619
Y _{xy}	40.1524, 0.2532, 0.3273
Android (android.graphics.Color)	4284921784 (0xFF66B7B8)
YUV	158.8950, 12.3768, -49.8969
Hunter-Lab	63.3659, -23.3820, -3.7940

Details

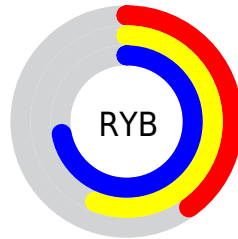
The XYZ color **31.0647, 40.1524, 51.4603** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0164, 20.8508, 15.1721**, and the grayscale version is **32.8688, 34.5806, 37.6583**.

A 20% lighter version of the original color is **60.6952, 75.2934, 93.7722**, and **13.1181, 18.1394, 24.2826** is the 20% darker color. If you saturate the color by 10%, you get **29.1606, 39.1032, 51.3588**, and if you desaturate by 10%, it is **33.4341, 41.4435, 51.5853**.

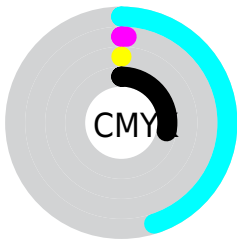
Distribution



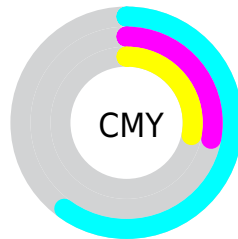
- Red (40%)
- Green (72%)
- Blue (72%)



- Red (40%)
- Yellow (56%)
- Blue (72%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0647, 40.1524, 51.4603 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 31.0647, 40.1524, 51.4603 by changing the saturation by 10% instead.

■ 31.0647, 40.1524,
51.4603

■ 31.0647, 40.1524,
51.4603

298.6578,
346.7655, 409.2470

■ 20.8002, 27.6574,
36.1958

■ 60.7171, 75.3955,
93.7533

■ 13.0897, 18.0676,
24.2946

■ 80.8356, 98.9124,
121.6188

■ 7.5677, 10.9985,
15.3381

■ 104.9696,
126.8721, 154.5218

■ 3.8691, 6.0658,
8.9077

■ 133.4843,
159.6589, 192.8807

■ 1.6283, 2.8852,
4.5851

166.7452,
197.6572, 237.1142

■ 0.4108, 1.0721,
1.9515

205.1174,

■ 0.0000, 0.0000,

241.2515, 287.6407

0.5252

248.9666,
290.8261, 344.8788

■ 0.0000, 0.0000,
0.0000

■ 31.0647, 40.1524,
51.4603

■ 31.0647, 40.1524,
51.4603

■ 29.1606, 39.1032,
51.3588

■ 33.4341, 41.4435,
51.5853

■ 27.6872, 38.2752,
51.2767

■ 36.2933, 42.9862,
51.7324

■ 26.6109, 37.6521,
51.2131

■ 39.6694, 44.7955,
51.9037

■ 25.8917, 37.2131,
51.1663

■ 43.5865, 46.8838,
52.1003

■ 25.4811, 36.9333,
51.1339

■ 48.0672, 49.2628,
52.3233

■ 25.3309, 36.8189,
51.1198

■ 53.1327, 51.9434,
52.5738

■ 58.8032, 54.9359,
52.8525

■ 65.0980, 58.2504,
53.1605

■ 67.2448, 59.4266,
53.2744

Harmonies

Analogous

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



30.8371, 40.1524, 39.3466



31.0647, 40.1524, 51.4603



33.1094, 40.1524, 63.2906

Triad

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



31.0647, 40.1524, 51.4603



44.4951, 40.1524, 60.7058



39.7663, 40.1524, 24.8651

Complementary

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



31.0647, 40.1524, 51.4603



27.0164, 20.8508, 15.1721

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.



43.7077, 40.1524, 28.6660



31.0647, 40.1524, 51.4603



46.5675, 40.1524, 48.4042

Square

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



31.0647, 40.1524, 51.4603



40.7787, 40.1524, 69.2624



46.2692, 40.1524, 36.7961



35.6628, 40.1524, 25.3832

Rectangle

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



31.0647, 40.1524, 51.4603



35.3172, 40.1524, 68.7497



46.2692, 40.1524, 36.7961



41.1591, 40.1524, 25.6473

Sweetspot

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



31.0659, 40.1540, 51.4612



72.8083, 81.6825, 94.1335



25.0191, 38.0659, 18.6002



15.3819, 17.4412, 20.2774



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.



31.0659, 40.1540, 51.4612



53.0691, 71.0000, 93.1119



23.9546, 25.9314, 49.0908



9.2571, 10.1914, 11.5587



17.4617, 25.3830, 35.2322



0.6186, 0.9008, 1.2430

Inverse Universe

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



33.0668, 23.1130, 47.5198



57.1557, 36.3892, 85.0185



31.9888, 30.7956, 16.8295



9.3761, 9.1608, 11.3279



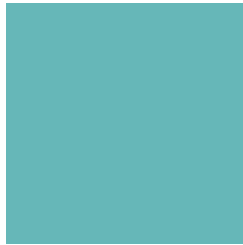
19.4275, 9.3448, 31.2018



0.6864, 0.3300, 1.1079

Previews

White Background



This preview shows how the XYZ color 31.0647, 40.1524, 51.4603 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 31.0647, 40.1524, 51.4603 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 31.0647, 40.1524, 51.4603

Background



This preview shows how black text looks on a background with the XYZ color 31.0647, 40.1524, 51.4603.



This preview shows how white text looks on a background with the XYZ color 31.0647, 40.1524,

51.4603.

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

31.0647, 40.1524, 51.4603

Protanopia

38.3181, 39.6465, 46.1904

Deuteranopia

40.6637, 39.8882, 53.1329



Tritanopia

32.4315, 40.0974, 58.2548

Trichromacy



Original Color

31.0647, 40.1524, 51.4603

Protanomaly

34.6565, 39.1212, 47.8440

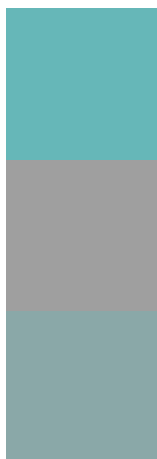
Deuteranomaly

36.2998, 39.5769, 52.7396

Tritanomaly

32.0681, 40.2649, 55.9509

Monochromacy



Original Color

31.0647, 40.1524, 51.4603

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5517, 36.2357, 42.3770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0647, 40.1524, 51.4603 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(102, 183, 184)` looks like.

```
.text, #text, p{  
    color:rgb(102, 183, 184)  
}
```

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(102, 183, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.0647, 40.1524, 51.4603 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(102, 183, 184) }
```


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

```
.border{ border-color:rgb(102, 183, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 183, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 183, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 183, 184);  
box-shadow:4px 4px 4px 4px rgb(102, 183,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0647, 40.1524, 51.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 183, 184) }
```

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

```
.background{ background-color: rgb(102,  
183, 184) }
```

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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