

Converting Colors

XYZ(26.8487, 40.3199, 35.7964)

Have a look what the booklet for
XYZ(26.8487, 40.3199, 35.7964)
contains.

XYZ(26.7640, 40.1661, 35.6204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.7640, 40.1661,
35.6204)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBD97
RGB	76, 189, 151
RGB Percent	30%, 74%, 59%
CMY	0.7019, 0.2588, 0.4078
CMYK	0.60, 0.00, 0.20, 0.26
HSL	160°, 46%, 52%
HSV	160°, 60%, 74%
XYZ	26.7640, 40.1661, 35.6204
YIQ	150.8810, -55.1500, -35.7740

Conversions

Conversions Part 2

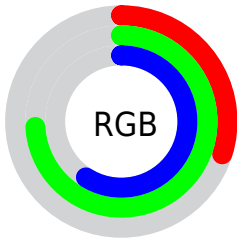
Format	Color
RYB	76, 144, 189
Decimal	5029271
CIELab	69.59, -41.19, 9.76
CIElCh	70, 42.329, 166.674
Yxy	40.1661, 0.2610, 0.3917
Android (android.graphics.Color)	4283219351 (0xFF4CBD97)
YUV	150.8810, 0.0587, -65.6706
Hunter-Lab	63.3767, -35.5287, 11.0402

Details

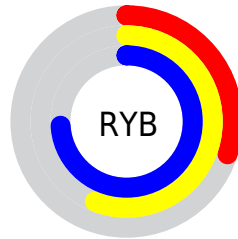
The XYZ color **26.7640, 40.1661, 35.6204** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.6093, 17.2036, 17.8392**, and the grayscale version is **29.3821, 30.9123, 33.6635**.

A 20% lighter version of the original color is **53.9669, 75.4702, 69.4805**, and **10.9642, 18.2480, 15.0009** is the 20% darker color. If you saturate the color by 10%, you get **24.9751, 39.3029, 32.9149**, and if you desaturate by 10%, it is **29.0240, 41.2709, 38.4950**.

Distribution



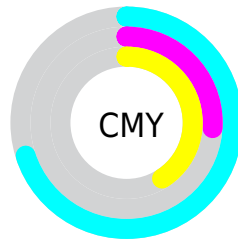
- Red (30%)
- Green (74%)
- Blue (59%)



- Red (30%)
- Yellow (56%)
- Blue (74%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (70%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7640, 40.1661, 35.6204 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 26.7640, 40.1661, 35.6204 by changing the saturation by 10% instead.


 26.7640, 40.1661,
35.6204


 26.7640, 40.1661,
35.6204


278.7011,
346.8232, 342.2854


 17.5317, 27.6681,
23.8538


 53.9275, 75.4164,
69.6082


 10.7120, 18.0756,
15.0140


 72.5894, 98.9374,
92.6665


 5.9394, 11.0043,
8.6825


 95.1253, 126.9016,
120.3257

 2.8486, 6.0697,
4.4407

 121.9005,
159.6933, 153.0045

 1.0742, 2.8875,
1.8701

 153.2803,
197.6969, 191.1213

 0.0034, 1.0733,
0.4736

189.6300,

 0.0000, 0.0000,

241.2968, 235.0947

0.0000

231.3152,
290.8774, 285.3432

■ 26.7640, 40.1661,
35.6204

■ 26.7640, 40.1661,
35.6204

■ 24.9751, 39.3029,
32.9149

■ 29.0240, 41.2709,
38.4950

■ 23.6136, 38.6560,
30.3715

■ 31.7873, 42.6309,
41.5399

■ 22.6331, 38.2023,
27.9867

■ 35.0869, 44.2641,
44.7595

■ 21.9420, 37.8947,
25.7538

■ 38.9520, 46.1854,
48.1574

■ 21.9283, 37.8886,
25.7079

■ 43.4098, 48.4089,
51.7370

■ 48.4856, 50.9475,
55.5013

■ 54.2031, 53.8134,
59.4537

■ 60.5848, 57.0182,
63.5969

■ 67.6522, 60.5729,
67.9341

Harmonies

Analogous

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



29.3928, 40.1661, 22.6599



26.7640, 40.1661, 35.6204



26.9211, 40.1661, 55.4457

Triad

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



26.7640, 40.1661, 35.6204



42.0727, 40.1661, 90.6008



47.9219, 40.1661, 21.6716

Complementary

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



26.7640, 40.1661, 35.6204



26.6093, 17.2036, 17.8392

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.



52.1995, 40.1661, 33.8000



26.7640, 40.1661, 35.6204



48.5564, 40.1661, 74.9732

Square

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



26.7640, 40.1661, 35.6204



35.2272, 40.1661, 91.5288



52.4447, 40.1661, 52.9948



41.2864, 40.1661, 16.3833

Rectangle

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



26.7640, 40.1661, 35.6204



28.5771, 40.1661, 70.2829



52.4447, 40.1661, 52.9948



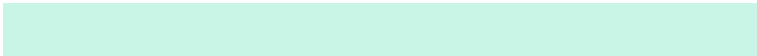
49.7161, 40.1661, 24.8872

Sweetspot

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



26.7651, 40.1677, 35.6213



70.8887, 83.2769, 87.1870



26.6461, 40.6009, 13.2704



14.7773, 17.6758, 18.3575



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.



26.7651, 40.1677, 35.6213



43.8265, 69.9575, 57.3836



26.9291, 34.7362, 53.4315



9.6685, 10.7535, 11.5037



14.7902, 25.5064, 17.4898



0.6086, 1.0108, 0.8394

Inverse Universe

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



26.6093, 17.2036, 17.8392



43.5710, 25.1306, 22.9137



26.2019, 19.1616, 9.1556



9.6590, 9.5879, 10.5932



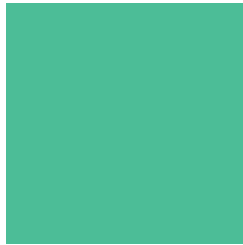
14.7667, 7.5378, 4.0652



0.6095, 0.3077, 0.3228

Previews

White Background



This preview shows how the XYZ color 26.7640, 40.1661, 35.6204 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 26.7640, 40.1661, 35.6204 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

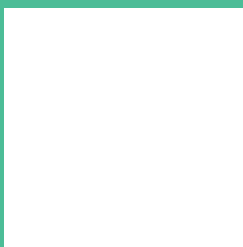
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.7640, 40.1661, 35.6204

Background



This preview shows how black text looks on a background with the XYZ color 26.7640, 40.1661, 35.6204.

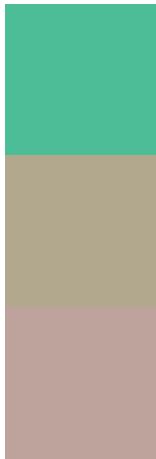


This preview shows how white text looks on a background with the XYZ color 26.7640, 40.1661,

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

26.7640, 40.1661, 35.6204

Protanopia

37.1704, 39.3933, 30.8439

Deuteranopia

40.4182, 39.5759, 37.4069



Tritanopia

31.4252, 40.1735, 58.9213

Trichromacy



Original Color

26.7640, 40.1661, 35.6204



Protanomaly

31.6207, 38.7577, 32.6025



Deuteranomaly

33.0633, 38.2612, 36.6529



Tritanomaly

29.4249, 39.9716, 49.3445

Monochromacy



Original Color

26.7640, 40.1661, 35.6204



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.3532, 33.4297, 34.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7640, 40.1661, 35.6204 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(76, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(76, 189, 151)  
}
```

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(76, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 189, 151) }
```

Border

The CSS property to change the border of an element to XYZ 26.7640, 40.1661, 35.6204 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(76, 189, 151) }
```


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

```
.border{ border-color:rgb(76, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(76, 189,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7640, 40.1661, 35.6204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 189, 151) }
```

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

```
.background{ background-color: rgb(76, 189,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor