

Converting Colors

XYZ(26.7248, 37.9113, 42.2935)

Have a look what the booklet for
XYZ(26.7248, 37.9113, 42.2935)
contains.

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Color

**XYZ(26.6835, 37.7824,
42.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	4CB6A7
RGB	76, 182, 167
RGB Percent	30%, 71%, 65%
CMY	0.7019, 0.2863, 0.3451
CMYK	0.58, 0.00, 0.08, 0.29
HSL	172°, 42%, 51%
HSV	172°, 58%, 71%
XYZ	26.6835, 37.7824, 42.4456
YIQ	148.5960, -58.3610, -27.1370

Conversions

Conversions Part 2

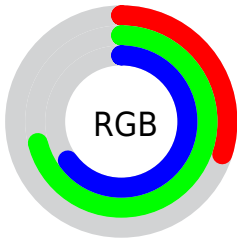
Format	Color
RYB	76, 133, 182
Decimal	5027495
CIELab	67.86, -34.07, -1.52
CIELCh	68, 34.104, 182.546
Yxy	37.7824, 0.2496, 0.3534
Android (android.graphics.Color)	4283217575 (0xFF4CB6A7)
YUV	148.5960, 9.0732, -63.6667
Hunter-Lab	61.4674, -30.0796, 2.0851

Details

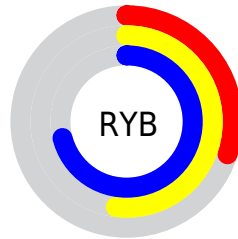
The XYZ color **26.6835, 37.7824, 42.4456** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7655, 15.8704, 11.7096**, and the grayscale version is **28.3792, 29.8571, 32.5144**.

A 20% lighter version of the original color is **53.7510, 71.5739, 80.0894**, and **10.8137, 16.6761, 18.8685** is the 20% darker color. If you saturate the color by 10%, you get **25.2015, 37.0465, 41.1462**, and if you desaturate by 10%, it is **28.5814, 38.7339, 43.7909**.

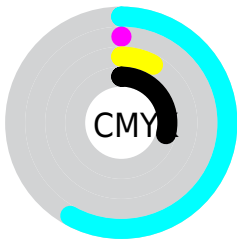
Distribution



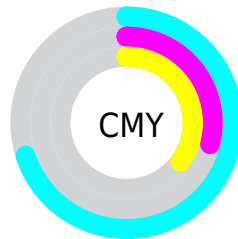
- Red (30%)
- Green (71%)
- Blue (65%)



- Red (30%)
- Yellow (52%)
- Blue (71%)



- Cyan (58%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)



- Cyan (70%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6835, 37.7824, 42.4456 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 26.6835, 37.7824, 42.4456 by changing the saturation by 10% instead.

■ 26.6835, 37.7824,
42.4456

■ 26.6835, 37.7824,
42.4456

278.3170,
336.6856, 372.1808

■ 17.4710, 25.8138,
29.1222

■ 53.7990, 71.7745,
80.1509

■ 10.6683, 16.6844,
18.9269

■ 72.4328, 94.5668,
105.3699

■ 5.9099, 10.0098,
11.4412

■ 94.9378, 121.7359,
135.3912

■ 2.8305, 5.4054,
6.2465

■ 121.6792,
153.6660, 170.6333

■ 1.0648, 2.4870,
2.9244

153.0225,
190.7417, 211.5148

■ 0.0000, 0.8701,
1.0561

189.3329,

■ 0.0000, 0.0000,

233.3472, 258.4542

0.0000

230.9760,
281.8671, 311.8700

■ 26.6835, 37.7824,
42.4456

■ 26.6835, 37.7824,
42.4456

■ 25.2015, 37.0465,
41.1462

■ 28.5814, 38.7339,
43.7909

■ 24.0965, 36.5036,
39.8883

■ 30.9234, 39.9129,
45.1810

■ 23.3283, 36.1337,
38.6706

■ 33.7389, 41.3355,
46.6183

■ 22.8287, 35.9018,
37.4899

■ 37.0538, 43.0149,
48.1041

■ 22.7501, 35.8657,
37.2850

■ 40.8922, 44.9637,
49.6398

■ 45.2767, 47.1934,
51.2265

■ 50.2284, 49.7149,
52.8654

■ 55.7674, 52.5387,
54.5574

■ 61.9127, 55.6744,
56.3037

Harmonies

Analogous

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



27.6252, 37.7824, 29.1243



26.6835, 37.7824, 42.4456



28.0061, 37.7824, 58.8712

Triad

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



26.6835, 37.7824, 42.4456



41.6617, 37.7824, 70.8803



40.8040, 37.7824, 20.3359

Complementary

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



26.6835, 37.7824, 42.4456



23.7655, 15.8704, 11.7096

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.



45.1789, 37.7824, 27.3808



26.6835, 37.7824, 42.4456



45.7073, 37.7824, 56.0719

Square

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



26.6835, 37.7824, 42.4456



36.3645, 37.7824, 77.6119



47.0529, 37.7824, 39.8587



35.4613, 37.7824, 18.3713

Rectangle

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



26.6835, 37.7824, 42.4456



30.0776, 37.7824, 68.8454



47.0529, 37.7824, 39.8587



42.4538, 37.7824, 22.0862

Sweetspot

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



26.6846, 37.7839, 42.4465



67.7969, 78.2979, 87.4705



22.4373, 36.2494, 12.6526



14.6888, 17.1488, 19.1988



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.



26.6846, 37.7839, 42.4465



45.0305, 66.8378, 73.9158



21.5353, 25.1355, 47.9742



9.2105, 10.1882, 11.2661



16.0838, 25.3345, 26.4271



0.5821, 0.8992, 1.0114

Inverse Universe

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



23.7655, 15.8704, 11.7096



39.2868, 23.3750, 13.1818



26.5135, 22.3008, 9.7454



9.0550, 9.0324, 9.6371



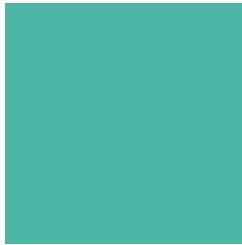
13.7683, 7.0811, 1.4009



0.5020, 0.2563, 0.1370

Previews

White Background



This preview shows how the XYZ color 26.6835, 37.7824, 42.4456 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 26.6835, 37.7824, 42.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

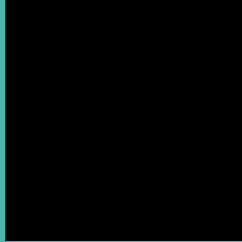
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 26.6835, 37.7824, 42.4456

Background



This preview shows how black text looks on a background with the XYZ color 26.6835, 37.7824, 42.4456.

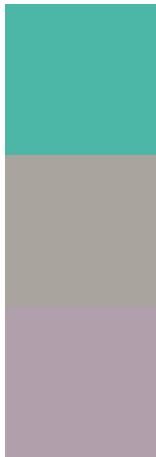


This preview shows how white text looks on a background with the XYZ color 26.6835, 37.7824,

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

26.6835, 37.7824, 42.4456

Protanopia

35.7234, 37.4203, 37.2383

Deuteranopia

37.9760, 37.1219, 44.1934



Tritanopia

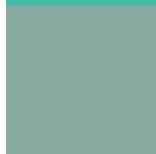
29.3838, 37.6695, 56.1743

Trichromacy



Original Color

26.6835, 37.7824, 42.4456



Protanomaly

30.9876, 36.8499, 39.1977



Deuteranomaly

31.8896, 36.1152, 43.3204



Tritanomaly

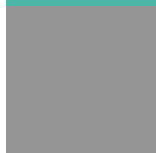
28.2515, 37.4947, 51.0956

Monochromacy



Original Color

26.6835, 37.7824, 42.4456



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.7717, 32.0276, 36.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6835, 37.7824, 42.4456 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, 182, 167)` looks like.

```
.text, #text, p{  
    color:rgb(76, 182, 167)  
}
```

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, 182, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 182, 167) }
```

Border

The CSS property to change the border of an element to XYZ 26.6835, 37.7824, 42.4456 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, 182, 167) }
```


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

```
.border{ border-color:rgb(76, 182, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 182, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 182, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 182, 167);  
box-shadow:4px 4px 4px 4px rgb(76, 182,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6835, 37.7824, 42.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 182, 167) }
```

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

```
.background{ background-color: rgb(76, 182,  
167) }
```

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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