

Converting Colors

XYZ(20.7979, 30.4032, 30.3661)

Have a look what the booklet for
XYZ(20.7979, 30.4032, 30.3661)
contains.

XYZ(20.7655, 30.3837, 30.3614)	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(20.7655, 30.3837,
30.3614)**

Conversions

Conversions Part 1

Format	Color
Hex	42A68E
RGB	66, 166, 142
RGB Percent	26%, 65%, 56%
CMY	0.7412, 0.3490, 0.4431
CMYK	0.60, 0.00, 0.14, 0.35
HSL	166°, 43%, 45%
HSV	166°, 60%, 65%
XYZ	20.7655, 30.3837, 30.3614
YIQ	133.3640, -51.8960, -28.6640

Conversions

Conversions Part 2

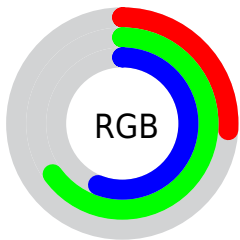
Format	Color
RYB	66, 123, 166
Decimal	4368014
CIELab	61.98, -35.00, 3.79
CIElCh	62, 35.200, 173.815
Yxy	30.3837, 0.2548, 0.3728
Android (android.graphics.Color)	4282558094 (0xFF42A68E)
YUV	133.3640, 4.2575, -59.0782
Hunter-Lab	55.1214, -29.2174, 5.9275

Details

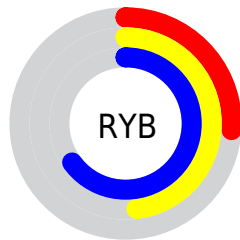
The XYZ color **20.7655, 30.3837, 30.3614** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.5206, 12.7425, 11.1047**, and the grayscale version is **22.4264, 23.5943, 25.6942**.

A 20% lighter version of the original color is **44.3973, 60.5132, 61.5648**, and **7.8369, 12.5830, 12.1409** is the 20% darker color. If you saturate the color by 10%, you get **19.5116, 29.7720, 28.7694**, and if you desaturate by 10%, it is **22.3564, 31.1694, 32.0263**.

Distribution



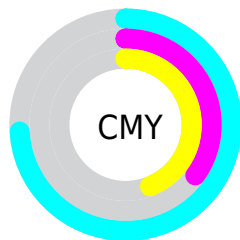
- Red (26%)
- Green (65%)
- Blue (56%)



- Red (26%)
- Yellow (48%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)



- Cyan (74%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7655, 30.3837, 30.3614 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 20.7655, 30.3837, 30.3614 by changing the saturation by 10% instead.

■ 20.7655, 30.3837,
30.3614

■ 20.7655, 30.3837,
30.3614

248.7850,
303.6889, 317.8450

■ 13.0642, 20.1300,
19.8587

■ 44.1912, 60.2684,
61.3010

■ 7.5501, 12.4896,
12.1093

■ 60.6462, 80.6683,
82.5749

■ 3.8578, 7.0780,
6.6947

■ 80.7499, 105.2190,
108.2764

■ 1.6220, 3.5109,
3.1964

■ 104.8675,
134.3049, 138.8239

■ 0.4067, 1.4039,
1.1958

■ 133.3645,
168.3105, 174.6359

■ 0.0000, 0.2196,
0.0000

166.6062,

■ 0.0000, 0.0000,

207.6201, 216.1311

0.0000

204.9579,
252.6181, 263.7280

■ 20.7655, 30.3837,
30.3614

■ 20.7655, 30.3837,
30.3614

■ 19.5116, 29.7720,
28.7694

■ 22.3564, 31.1694,
32.0263

■ 18.5630, 29.3157,
27.2463

■ 24.3073, 32.1387,
33.7638

■ 17.8864, 28.9984,
25.7907

■ 26.6422, 33.3047,
35.5762

■ 17.4129, 28.7839,
24.4307

■ 29.3822, 34.6782,
37.4651

■ 32.5469, 36.2694,
39.4319

■ 36.1545, 38.0877,
41.4780

■ 40.2223, 40.1418,
43.6048

■ 44.7664, 42.4403,
45.8135

■ 49.8025, 44.9909,
48.1053

Harmonies

Analogous

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



22.1577, 30.3837, 19.9912



20.7655, 30.3837, 30.3614



21.3485, 30.3837, 44.7223

Triad

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



20.7655, 30.3837, 30.3614



32.6992, 30.3837, 63.0014



34.5732, 30.3837, 16.2305

Complementary

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



20.7655, 30.3837, 30.3614



19.5206, 12.7425, 11.1047

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.



37.9995, 30.3837, 23.6612



20.7655, 30.3837, 30.3614



36.8377, 30.3837, 50.9164

Square

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



20.7655, 30.3837, 30.3614



27.9123, 30.3837, 66.2213



38.8702, 30.3837, 35.9619



29.8674, 30.3837, 13.3909

Rectangle

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



20.7655, 30.3837, 30.3614



22.8144, 30.3837, 54.5291



38.8702, 30.3837, 35.9619



35.9325, 30.3837, 18.1573

Sweetspot

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



20.7664, 30.3849, 30.3621



54.3575, 63.4545, 68.6620



18.9350, 29.8912, 9.9265



11.8242, 14.0292, 15.1442



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7664, 30.3849, 30.3621



34.8203, 53.7458, 51.3421



18.6556, 22.9623, 39.5267



7.6694, 8.5008, 9.2453



13.5213, 22.3273, 19.0437



0.3471, 0.5505, 0.5589

Inverse Universe

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



19.5206, 12.7425, 11.1047



32.4048, 18.9025, 13.5323



20.4514, 15.9835, 7.1621



7.6022, 7.5707, 8.2223



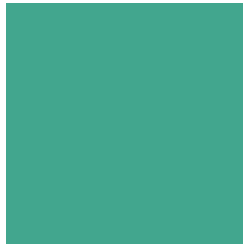
12.5055, 6.4109, 2.2075



0.3235, 0.1637, 0.1551

Previews

White Background



This preview shows how the XYZ color 20.7655, 30.3837, 30.3614 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 20.7655, 30.3837, 30.3614 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

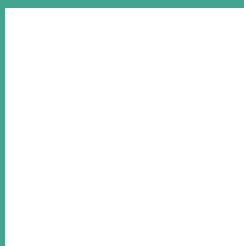
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7655, 30.3837, 30.3614

Background



This preview shows how black text looks on a background with the XYZ color 20.7655, 30.3837, 30.3614.



This preview shows how white text looks on a background with the XYZ color 20.7655, 30.3837,

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

20.7655, 30.3837, 30.3614

Protanopia

28.3411, 29.8418, 26.4566

Deuteranopia

30.5496, 29.9456, 31.7737



Tritanopia

23.5267, 30.1654, 44.6269

Trichromacy



Original Color

20.7655, 30.3837, 30.3614

Protanomaly

24.3337, 29.4312, 27.6908

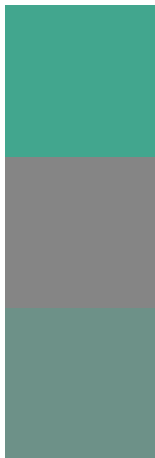
Deuteranomaly

25.2412, 29.0900, 31.0726

Tritanomaly

22.4428, 30.2589, 38.8401

Monochromacy



Original Color

20.7655, 30.3837, 30.3614

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.8760, 25.2796, 27.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7655, 30.3837, 30.3614 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(66, 166, 142)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 142)  
}
```

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(66, 166, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.7655, 30.3837, 30.3614 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(66, 166, 142) }
```


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

```
.border{ border-color:rgb(66, 166, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 142);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7655, 30.3837, 30.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 142) }
```

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

```
.background{ background-color: rgb(66, 166,  
142) }
```

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