

Converting Colors

XYZ(20.8416, 31.4285, 34.6736)

Have a look what the booklet for
XYZ(20.8416, 31.4285, 34.6736)
contains.

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Color

**XYZ(20.8416, 31.4285,
34.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	26AA98
RGB	38, 170, 152
RGB Percent	15%, 67%, 60%
CMY	0.8509, 0.3333, 0.4039
CMYK	0.78, 0.00, 0.11, 0.33
HSL	172°, 63%, 41%
HSV	172°, 78%, 67%
XYZ	20.8416, 31.4285, 34.6736
YIQ	128.4800, -72.8940, -33.5820

Conversions

Conversions Part 2

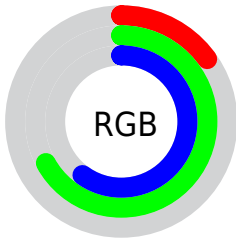
Format	Color
R _Y B	38, 109, 170
Decimal	2534040
CIE Lab	62.87, -38.44, -0.60
CIE LCh	63, 38.442, 180.891
Yxy	31.4285, 0.2397, 0.3615
Android (android.graphics.Color)	4280724120 (0xFF26AA98)
YUV	128.4800, 11.5954, -79.3510
Hunter-Lab	56.0611, -31.7468, 2.5721

Details

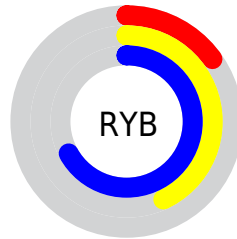
The XYZ color **20.8416, 31.4285, 34.6736** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.9856, 10.2188, 4.7673**, and the grayscale version is **20.6651, 21.7413, 23.6763**.

A 20% lighter version of the original color is **44.2808, 61.9131, 68.0091**, and **8.7103, 13.6622, 14.4899** is the 20% darker color. If you saturate the color by 10%, you get **20.1642, 31.1017, 33.6609**, and if you desaturate by 10%, it is **21.8107, 31.9067, 35.7207**.

Distribution



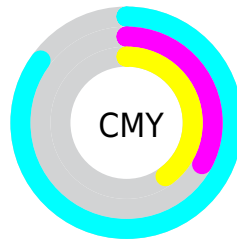
- Red (15%)
- Green (67%)
- Blue (60%)



- Red (15%)
- Yellow (43%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (85%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8416, 31.4285, 34.6736 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 20.8416, 31.4285, 34.6736 by changing the saturation by 10% instead.

■ 20.8416, 31.4285,
34.6736

■ 20.8416, 31.4285,
34.6736

249.1832,
308.5076, 337.9856

■ 13.1201, 20.9254,
23.1300

■ 44.3170, 61.9141,
68.1256

■ 7.5888, 13.0695,
14.4833

■ 60.8016, 82.6653,
90.8712

■ 3.8826, 7.4764,
8.3150

■ 80.9380, 107.6013,
118.1878

■ 1.6359, 3.7618,
4.2065

■ 105.0914,
137.1066, 150.4940

■ 0.4156, 1.5412,
1.7393

■ 133.6273,
171.5654, 188.2083

■ 0.0000, 0.3175,
0.3875

166.9110,

■ 0.0000, 0.0000,

211.3623, 231.7494

0.0000

205.3078,
256.8815, 281.5356

■ 20.8416, 31.4285,
34.6736

■ 20.8416, 31.4285,
34.6736

■ 20.1642, 31.1017,
33.6609

■ 21.8107, 31.9067,
35.7207

■ 19.7205, 30.8943,
32.6777

■ 23.1034, 32.5505,
36.8018

■ 19.6273, 30.8513,
32.4491

■ 24.7503, 33.3765,
37.9191

■ 26.7777, 34.3982,
39.0738

■ 29.2094, 35.6279,
40.2673

■ 32.0673, 37.0768,
41.5007

■ 35.3716, 38.7555,
42.7749

■ 39.1413, 40.6736,
44.0911

■ 43.3942, 42.8404,
45.4501

Harmonies

Analogous

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



21.8638, 31.4285, 21.9541



20.8416, 31.4285, 34.6736



21.9920, 31.4285, 51.3883

Triad

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



20.8416, 31.4285, 34.6736



35.3826, 31.4285, 65.6572



35.0779, 31.4285, 14.6106

Complementary

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



20.8416, 31.4285, 34.6736



17.9856, 10.2188, 4.7673

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.



39.4395, 31.4285, 21.3778



20.8416, 31.4285, 34.6736



39.6295, 31.4285, 50.3700

Square

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



20.8416, 31.4285, 34.6736



30.0297, 31.4285, 72.2158



41.1935, 31.4285, 33.7710



29.7145, 31.4285, 12.6309

Rectangle

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



20.8416, 31.4285, 34.6736



23.9245, 31.4285, 62.0421



41.1935, 31.4285, 33.7710



36.7312, 31.4285, 16.2789

Sweetspot

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



20.8425, 31.4297, 34.6743



55.0896, 65.7018, 73.9948



16.4591, 29.7842, 6.7160



11.8934, 14.4532, 16.3267



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8425, 31.4297, 34.6743



35.9925, 56.1511, 59.8107



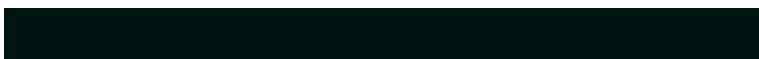
15.2389, 17.6812, 40.6411



7.7029, 8.5142, 9.4215



14.4527, 22.6998, 23.9485



0.3634, 0.5570, 0.6444

Inverse Universe

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



17.9856, 10.2188, 4.7673



30.7051, 16.0421, 3.8283



20.1146, 15.0592, 3.6811



7.5712, 7.5584, 8.0593



12.3225, 6.3377, 1.2437



0.3119, 0.1591, 0.0942

Previews

White Background



This preview shows how the XYZ color 20.8416, 31.4285, 34.6736 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 20.8416, 31.4285, 34.6736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

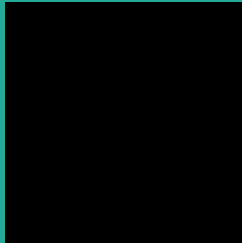
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8416, 31.4285, 34.6736

Background



This preview shows how black text looks on a background with the XYZ color 20.8416, 31.4285, 34.6736.

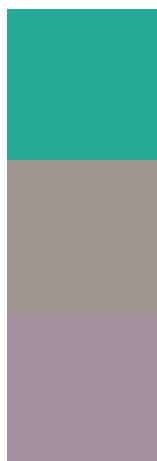


This preview shows how white text looks on a background with the XYZ color 20.8416, 31.4285,

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

20.8416, 31.4285, 34.6736

Protanopia

29.4244, 30.8037, 29.5942

Deuteranopia

31.4689, 30.7786, 36.1806



Tritanopia

23.5053, 31.4085, 48.0036

Trichromacy



Original Color

20.8416, 31.4285, 34.6736

Protanomaly

23.9779, 29.6690, 31.2510

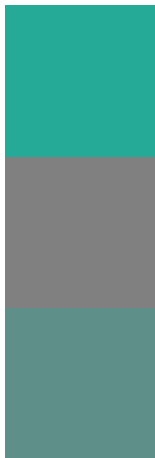
Deuteranomaly

25.1090, 29.6608, 35.4121

Tritanomaly

22.3410, 31.1927, 42.8735

Monochromacy



Original Color

20.8416, 31.4285, 34.6736

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.0571, 23.8840, 27.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8416, 31.4285, 34.6736 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(38, 170, 152)` looks like.

```
.text, #text, p{  
    color:rgb(38, 170, 152)  
}
```

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(38, 170, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 170, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.8416, 31.4285, 34.6736 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(38, 170, 152) }
```


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

```
.border{ border-color:rgb(38, 170, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 170, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 170, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 170, 152);  
box-shadow:4px 4px 4px 4px rgb(38, 170,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8416, 31.4285, 34.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 170, 152) }
```

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

```
.background{ background-color: rgb(38, 170,  
152) }
```

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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