

Converting Colors

XYZ(7.5680, 27.5510, 31.0385)

Have a look what the booklet for
XYZ(7.5680, 27.5510, 31.0385)
contains.

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Color

**XYZ(21.2792, 34.6257,
31.5485)**

Conversions

Conversions Part 1

Format	Color
Hex	00B48F
RGB	0, 180, 143
RGB Percent	0%, 71%, 56%
CMY	0.9999, 0.2941, 0.4392
CMYK	1.00, 0.00, 0.21, 0.29
HSL	168°, 100%, 35%
HSV	168°, 100%, 71%
XYZ	21.2792, 34.6257, 31.5485
YIQ	121.9620, -95.4030, -49.6670

Conversions

Conversions Part 2

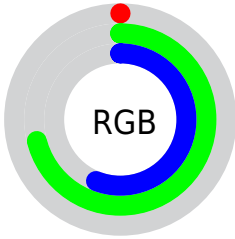
Format	Color
RYB	0, 100, 180
Decimal	46223
CIELab	65.46, -47.50, 8.10
CIELCh	65, 48.185, 170.325
Yxy	34.6257, 0.2433, 0.3959
Android (android.graphics.Color)	4278236303 (0xFF00B48F)
YUV	121.9620, 10.3717, -106.9607
Hunter-Lab	58.8436, -38.4266, 9.4027

Details

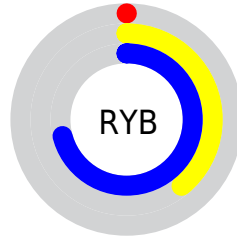
The XYZ color **21.2792, 34.6257, 31.5485** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.1576, 9.8378, 2.6414**, and the grayscale version is **18.4783, 19.4407, 21.1709**.

A 20% lighter version of the original color is **45.1861, 67.0864, 63.3907**, and **9.4366, 15.7120, 12.8913** is the 20% darker color. If you saturate the color by 10%, you get **21.2795, 34.6268, 31.5475**, and if you desaturate by 10%, it is **21.8148, 34.8697, 33.0621**.

Distribution



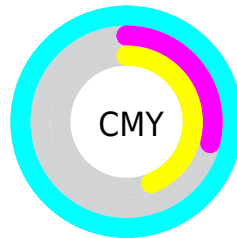
- Red (0%)
- Green (71%)
- Blue (56%)



- Red (0%)
- Yellow (39%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2792, 34.6257, 31.5485 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 21.2792, 34.6257, 31.5485 by changing the saturation by 10% instead.


 21.2792, 34.6257,
31.5485


 21.2792, 34.6257,
31.5485


251.4623,
322.9131, 323.4865


 13.4419, 23.3747,
20.7549


 45.0395, 66.9055,
63.1923

 7.8126, 14.8704,
12.7555


 61.6932, 88.7031,
84.8795


 4.0261, 8.7285,
7.1316


 82.0164, 114.7850,
111.0351

 1.7169, 4.5645,
3.4649

 106.3745,
145.5356, 142.0775

 0.4668, 1.9941,
1.3366

 135.1327,
181.3393, 178.4253

 0.0000, 0.6040,
0.0915

 168.6565,

 0.0000, 0.0000,

222.5806, 220.4971

0.0000

207.3113,
269.6437, 268.7113

■ 21.2792, 34.6257,
31.5485

■ 21.2792, 34.6257,
31.5485

■ 21.2795, 34.6268,
31.5475

■ 21.8148, 34.8697,
33.0621

■ 22.5877, 35.2342,
34.6349

■ 23.6857, 35.7651,
36.2720

■ 25.1507, 36.4842,
37.9759

■ 27.0182, 37.4096,
39.7487

■ 29.3193, 38.5574,
41.5923

■ 32.0821, 39.9422,
43.5084

■ 35.3325, 41.5771,
45.4986

■ 39.0940, 43.4744,
47.5646

Harmonies

Analogous

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



23.5446, 34.6257, 17.9572



21.2792, 34.6257, 31.5485



21.7696, 34.6257, 52.8502

Triad

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



21.2792, 34.6257, 31.5485



37.8450, 34.6257, 87.0541



42.3414, 34.6257, 15.0268

Complementary

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



21.2792, 34.6257, 31.5485



19.1576, 9.8378, 2.6414

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.



47.3222, 34.6257, 25.7653



21.2792, 34.6257, 31.5485



44.4800, 34.6257, 68.2993

Square

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



21.2792, 34.6257, 31.5485



30.6856, 34.6257, 90.3514



48.1562, 34.6257, 44.6066



35.2409, 34.6257, 10.9273

Rectangle

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



21.2792, 34.6257, 31.5485



23.6236, 34.6257, 68.8012



48.1562, 34.6257, 44.6066



44.3594, 34.6257, 17.7525

Sweetspot

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



21.2802, 34.6270, 31.5493



57.8848, 72.2781, 78.7013



17.1593, 33.0754, 5.4804



12.0434, 15.3873, 16.6959



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.2802, 34.6270, 31.5493



38.4962, 62.7488, 56.7435



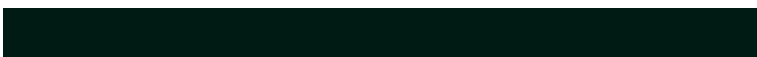
16.0901, 18.9982, 46.0005



8.6663, 9.6010, 10.5024



14.8760, 24.1764, 22.1475



0.4870, 0.7683, 0.7965

Inverse Universe

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



19.1576, 9.8378, 2.6414



34.6673, 17.8095, 4.4317



20.0077, 12.0728, 1.2764



8.5655, 8.5329, 9.2101



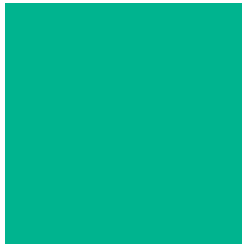
13.3902, 6.8736, 1.9490



0.4421, 0.2246, 0.1706

Previews

White Background



This preview shows how the XYZ color 21.2792, 34.6257, 31.5485 looks on a white background.

Color Contrast Check

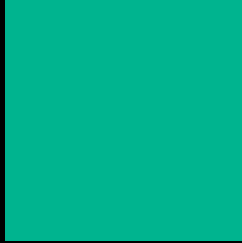
Large Text (above 18pt) WCAG AA × Fail

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 21.2792, 34.6257, 31.5485 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

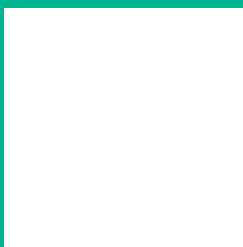
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2792, 34.6257, 31.5485

Background



This preview shows how black text looks on a background with the XYZ color 21.2792, 34.6257, 31.5485.



This preview shows how white text looks on a background with the XYZ color 21.2792, 34.6257,

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

21.2792, 34.6257, 31.5485

Protanopia

32.1582, 33.9954, 26.6966

Deuteranopia

34.5575, 33.8565, 33.1473



Tritanopia

25.7887, 34.7152, 52.9184

Trichromacy



Original Color

21.2792, 34.6257, 31.5485



Protanomaly

23.8429, 31.7520, 28.1646



Deuteranomaly

24.8689, 31.3920, 32.3523



Tritanomaly

23.6649, 34.3866, 44.4197

Monochromacy



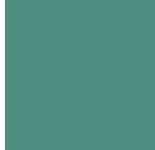
Original Color

21.2792, 34.6257, 31.5485



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.9936, 22.8763, 24.6390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2792, 34.6257, 31.5485 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(0, 180, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 143)  
}
```

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(0, 180, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 143) }
```

Border

The CSS property to change the border of an element to XYZ 21.2792, 34.6257, 31.5485 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(0, 180, 143) }
```


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

```
.border{ border-color:rgb(0, 180, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 180, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2792, 34.6257, 31.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 143) }
```

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

```
.background{ background-color: rgb(0, 180,  
143) }
```

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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