

Converting Colors

XYZ(13.0300, 20.8041, 29.8177)

Have a look what the booklet for
XYZ(13.0300, 20.8041, 29.8177)
contains.

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Color

**XYZ(14.8565, 21.6585,
29.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	008F90
RGB	0, 143, 144
RGB Percent	0%, 56%, 56%
CMY	0.9999, 0.4392, 0.4353
CMYK	1.00, 0.01, 0.00, 0.44
HSL	180°, 100%, 28%
HSV	180°, 100%, 56%
XYZ	14.8565, 21.6585, 29.7831
YIQ	100.3570, -85.5490, -30.0050

Conversions

Conversions Part 2

Format	Color
RYB	0, 72, 144
Decimal	36752
CIELab	53.66, -30.93, -9.72
CIELCh	54, 32.425, 197.443
Yxy	21.6585, 0.2241, 0.3267
Android (android.graphics.Color)	4278226832 (0xFF008F90)
YUV	100.3570, 21.5160, -88.0131
Hunter-Lab	46.5387, -24.4603, -5.3664

Details

The XYZ color **14.8565, 21.6585, 29.7831** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.5130, 5.9516, 0.5426**, and the grayscale version is **12.1686, 12.8023, 13.9417**.

A 20% lighter version of the original color is **34.1838, 46.0844, 60.5196**, and **5.8475, 8.4624, 11.9149** is the 20% darker color. If you saturate the color by 10%, you get **14.8569, 21.6591, 29.7836**, and if you desaturate by 10%, it is **15.0596, 21.7860, 29.7974**.

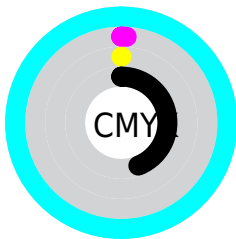
Distribution



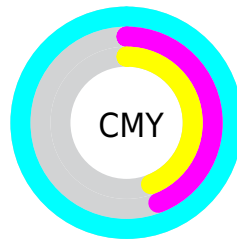
- Red (0%)
- Green (56%)
- Blue (56%)



- Red (0%)
- Yellow (28%)
- Blue (56%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8565, 21.6585, 29.7831 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 14.8565, 21.6585, 29.7831 by changing the saturation by 10% instead.

■ 14.8565, 21.6585,
29.7831

■ 14.8565, 21.6585,
29.7831

■ 215.9016,
260.7577, 315.0679

■ 8.8044, 13.6062,
19.4234

■ 34.1750, 46.1809,
60.3759

■ 4.6699, 7.8473,
11.7967

■ 48.1720, 63.4198,
81.4461

■ 2.0877, 3.9974,
6.4845

■ 65.5482, 84.4897,
106.9235

■ 0.6825, 1.6721,
3.0684

■ 86.6686, 109.7750,
137.2267

■ 0.0000, 0.4055,
1.1297

■ 111.8989,
139.6600, 172.7742

■ 0.0000, 0.0000,
0.0000

■ 141.6042,

174.5292, 213.9845

176.1500,
214.7669, 261.2762

■ 14.8565, 21.6585,
29.7831

■ 14.8565, 21.6585,
29.7831

■ 14.8569, 21.6591,
29.7836

■ 15.0596, 21.7860,
29.7974

■ 15.3886, 21.9779,
29.8171

■ 15.9076, 22.2677,
29.8457

■ 16.6401, 22.6677,
29.8843

■ 17.6063, 23.1881,
29.9338

■ 18.8240, 23.8382,
29.9951

■ 20.3093, 24.6264,
30.0690

■ 22.0769, 25.5600,
30.1560

■ 24.1407, 26.6464,
30.2569

Harmonies

Analogous

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



14.7384, 21.6585, 19.6689



14.8565, 21.6585, 29.7831



16.3968, 21.6585, 40.6337

Triad

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



14.8565, 21.6585, 29.7831



25.8991, 21.6585, 39.0016



22.0700, 21.6585, 9.4211

Complementary

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



14.8565, 21.6585, 29.7831



11.5130, 5.9516, 0.5426

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.



25.4335, 21.6585, 12.1262



14.8565, 21.6585, 29.7831



27.8052, 21.6585, 27.9834

Square

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



14.8565, 21.6585, 29.7831



22.6501, 21.6585, 46.8988



27.6259, 21.6585, 18.3083



18.6508, 21.6585, 9.6515

Rectangle

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



14.8565, 21.6585, 29.7831



18.1320, 21.6585, 45.9829



27.6259, 21.6585, 18.3083



23.2514, 21.6585, 9.9764

Sweetspot

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



14.8572, 21.6593, 29.7836



35.6406, 43.3393, 53.0249



9.9738, 19.9471, 3.3251



7.9358, 9.8129, 12.1480



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.8572, 21.6593, 29.7836



26.1982, 38.1902, 52.5287



7.3525, 6.6500, 27.2821



5.5571, 6.1100, 6.9152



12.9382, 18.8624, 25.9360



0.1244, 0.1817, 0.2482

Inverse Universe

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



16.4601, 7.9131, 26.6472



29.0281, 13.9547, 46.9840



13.8200, 10.5657, 1.3116



5.6247, 5.5104, 6.7875



14.3337, 6.8905, 23.2064



0.1374, 0.0660, 0.2237

Previews

White Background



This preview shows how the XYZ color 14.8565, 21.6585, 29.7831 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8565, 21.6585, 29.7831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

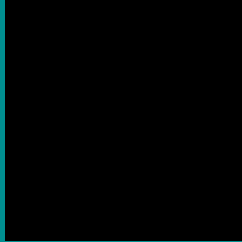
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8565, 21.6585, 29.7831

Background



This preview shows how black text looks on a background with the XYZ color 14.8565, 21.6585, 29.7831.

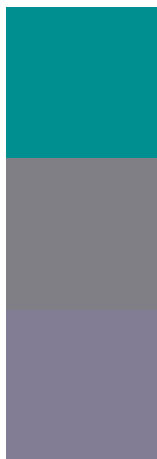


This preview shows how white text looks on a background with the XYZ color 14.8565, 21.6585,

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

14.8565, 21.6585, 29.7831

Protanopia

20.7945, 21.4892, 25.6061

Deuteranopia

21.8848, 21.5512, 31.0233



Tritanopia

15.8237, 21.8526, 33.5210

Trichromacy



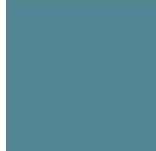
Original Color

14.8565, 21.6585, 29.7831



Protanomaly

16.3683, 20.3594, 27.1118



Deuteranomaly

17.0850, 20.4481, 30.6502



Tritanomaly

15.3917, 21.6582, 32.2234

Monochromacy



Original Color

14.8565, 21.6585, 29.7831



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

11.5121, 14.8417, 18.7810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8565, 21.6585, 29.7831 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, 143, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 144)  
}
```

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, 143, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 144) }
```

Border

The CSS property to change the border of an element to XYZ 14.8565, 21.6585, 29.7831 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, 143, 144) }
```


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

```
.border{ border-color:rgb(0, 143, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8565, 21.6585, 29.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 144) }
```

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

```
.background{ background-color: rgb(0, 143,  
144) }
```

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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