

Converting Colors

XYZ(14.7116, 21.2367, 29.5717)

Have a look what the booklet for
XYZ(14.7116, 21.2367, 29.5717)
contains.

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Color

**XYZ(14.6716, 21.1214,
29.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	098D90
RGB	9, 141, 144
RGB Percent	4%, 55%, 56%
CMY	0.9646, 0.4471, 0.4353
CMYK	0.94, 0.02, 0.00, 0.44
HSL	181°, 88%, 30%
HSV	181°, 94%, 56%
XYZ	14.6716, 21.1214, 29.6891
YIQ	101.8740, -79.6350, -27.0510

Conversions

Conversions Part 2

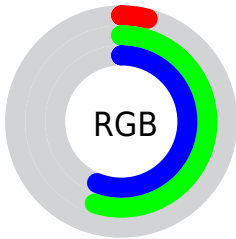
Format	Color
RYB	9, 76, 144
Decimal	626064
CIELab	53.08, -29.55, -10.58
CIElCh	53, 31.391, 199.704
Yxy	21.1214, 0.2241, 0.3226
Android (android.graphics.Color)	4278816144 (0xFF098D90)
YUV	101.8740, 20.7681, -81.4505
Hunter-Lab	45.9580, -23.4424, -6.1310

Details

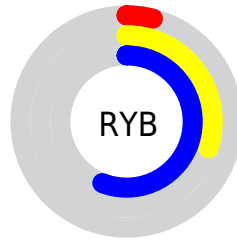
The XYZ color **14.6716, 21.1214, 29.6891** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6830, 6.2127, 0.8426**, and the grayscale version is **12.5611, 13.2153, 14.3914**.

A 20% lighter version of the original color is **33.8280, 45.2313, 60.3737**, and **5.6765, 8.1205, 11.8579** is the 20% darker color. If you saturate the color by 10%, you get **14.5297, 21.0048, 29.6745**, and if you desaturate by 10%, it is **14.9697, 21.3457, 29.7171**.

Distribution



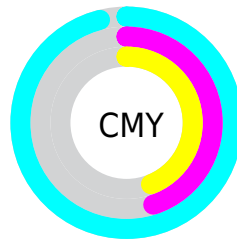
- Red (4%)
- Green (55%)
- Blue (56%)



- Red (4%)
- Yellow (30%)
- Blue (56%)



- Cyan (94%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)



- Cyan (96%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6716, 21.1214, 29.6891 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 14.6716, 21.1214, 29.6891 by changing the saturation by 10% instead.

■ 14.6716, 21.1214,
29.6891

■ 14.6716, 21.1214,
29.6891

■ 214.7978,
257.9230, 314.6147

■ 8.6740, 13.2128,
19.3527

■ 33.8524, 45.2895,
60.2253

■ 4.5846, 7.5752,
11.7460

■ 47.7664, 62.3177,
81.2622

■ 2.0379, 3.8244,
6.4505

■ 65.0499, 83.1547,
106.7031

■ 0.6551, 1.5758,
3.0477

■ 86.0683, 108.1846,
136.9663

■ 0.0000, 0.3412,
1.1191

■ 111.1870,
137.7920, 172.4706

■ 0.0000, 0.0000,
0.0000

■ 140.7712,

172.3613, 213.6343

175.1864,
212.2768, 260.8762

■ 14.6716, 21.1214,
29.6891

■ 14.6716, 21.1214,
29.6891

■ 14.5297, 21.0048,
29.6745

■ 14.9697, 21.3457,
29.7171

■ 15.4469, 21.6620,
29.7530

■ 16.1293, 22.0844,
29.7985

■ 17.0383, 22.6237,
29.8547

■ 18.1925, 23.2897,
29.9224

■ 19.6086, 24.0909,
30.0025

■ 21.3018, 25.0351,
30.0955

■ 23.2862, 26.1297,
30.2021

■ 25.5748, 27.3813,
30.3231

Harmonies

Analogous

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



14.4540, 21.1214, 19.8983



14.6716, 21.1214, 29.6891



16.2427, 21.1214, 39.8406

Triad

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



14.6716, 21.1214, 29.6891



25.3175, 21.1214, 36.8756



21.2316, 21.1214, 9.3454

Complementary

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



14.6716, 21.1214, 29.6891



11.6830, 6.2127, 0.8426

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.



24.4677, 21.1214, 11.7301



14.6716, 21.1214, 29.6891



26.9924, 21.1214, 26.4031

Square

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



14.6716, 21.1214, 29.6891



22.2929, 21.1214, 44.7147



26.6654, 21.1214, 17.3956



18.0098, 21.1214, 9.7753

Rectangle

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



14.6716, 21.1214, 29.6891



17.9525, 21.1214, 44.6147



26.6654, 21.1214, 17.3956



22.3591, 21.1214, 9.8117

Sweetspot

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



14.6722, 21.1222, 29.6896



36.0621, 43.3167, 52.9983



10.1484, 20.0299, 3.6563



8.0103, 9.7884, 12.1394



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.



14.6722, 21.1222, 29.6896



25.6097, 37.0131, 52.3325



7.6136, 7.0048, 27.3367



5.5501, 6.0961, 6.9129



12.6550, 18.2959, 25.8416



0.1231, 0.1791, 0.2478

Inverse Universe

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



16.4076, 8.0485, 25.8887



28.7311, 13.8359, 45.4197



14.3302, 11.5070, 1.7250



5.6212, 5.5090, 6.7690



14.1908, 6.8333, 22.4536



0.1367, 0.0658, 0.2203

Previews

White Background



This preview shows how the XYZ color 14.6716, 21.1214, 29.6891 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 14.6716, 21.1214, 29.6891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

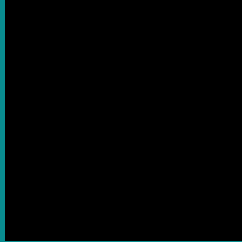
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6716, 21.1214, 29.6891

Background



This preview shows how black text looks on a background with the XYZ color 14.6716, 21.1214, 29.6891.



This preview shows how white text looks on a background with the XYZ color 14.6716, 21.1214,

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

14.6716, 21.1214, 29.6891

Protanopia

20.2409, 20.8241, 25.5069

Deuteranopia

21.3303, 20.8932, 30.9255



Tritanopia

15.3407, 21.1847, 32.5587

Trichromacy



Original Color

14.6716, 21.1214, 29.6891

Protanomaly

16.2710, 19.9066, 27.0295

Deuteranomaly

16.9954, 20.0031, 30.5690

Tritanomaly

14.9919, 21.0327, 31.2865

Monochromacy



Original Color

14.6716, 21.1214, 29.6891

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.8402, 15.0041, 19.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6716, 21.1214, 29.6891 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(9, 141, 144)` looks like.

```
.text, #text, p{  
    color:rgb(9, 141, 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(9, 141, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 141, 144) }
```

Border

The CSS property to change the border of an element to XYZ 14.6716, 21.1214, 29.6891 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(9, 141, 144) }
```


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

```
.border{ border-color:rgb(9, 141, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 141, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 141, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 141, 144);  
box-shadow:4px 4px 4px 4px rgb(9, 141,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6716, 21.1214, 29.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 141, 144) }
```

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

```
.background{ background-color: rgb(9, 141,  
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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