

Converting Colors

XYZ(14.8738, 20.2362, 33.2816)

Have a look what the booklet for
XYZ(14.8738, 20.2362, 33.2816)
contains.

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Color

**XYZ(14.9091, 20.3014,
33.2698)**

Conversions

Conversions Part 1

Format	Color
Hex	108999
RGB	16, 137, 153
RGB Percent	6%, 54%, 60%
CMY	0.9372, 0.4627, 0.4000
CMYK	0.90, 0.10, 0.00, 0.40
HSL	187°, 81%, 33%
HSV	187°, 90%, 60%
XYZ	14.9091, 20.3014, 33.2698
YIQ	102.6450, -77.2520, -20.6760

Conversions

Conversions Part 2

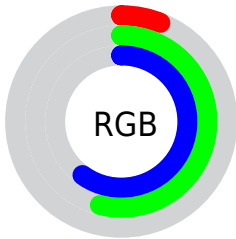
Format	Color
R_{YB}	16, 80, 153
Decimal	1083801
CIE _{Lab}	52.18, -24.21, -17.16
CIE _{LCh}	52, 29.675, 215.335
Yxy	20.3014, 0.2177, 0.2965
Android (android.graphics.Color)	4279273881 (0xFF108999)
YUV	102.6450, 24.8250, -75.9877
Hunter-Lab	45.0571, -19.7854, -12.2393

Details

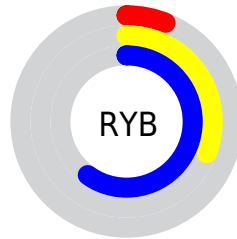
The XYZ color **14.9091, 20.3014, 33.2698** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7476, 7.8437, 1.2802**, and the grayscale version is **12.7512, 13.4153, 14.6092**.

A 20% lighter version of the original color is **34.3069, 44.0419, 65.7243**, and **5.8065, 7.7757, 13.7652** is the 20% darker color. If you saturate the color by 10%, you get **14.4528, 19.6926, 33.1767**, and if you desaturate by 10%, it is **15.5266, 21.0004, 33.3726**.

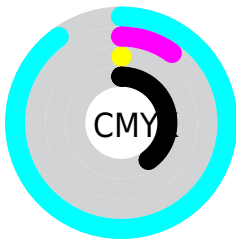
Distribution



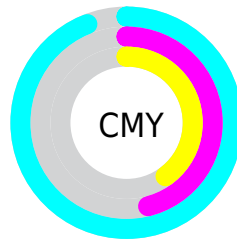
- Red (6%)
- Green (54%)
- Blue (60%)



- Red (6%)
- Yellow (31%)
- Blue (60%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9091, 20.3014, 33.2698 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 14.9091, 20.3014, 33.2698 by changing the saturation by 10% instead.

■ 14.9091, 20.3014,
33.2698

■ 14.9091, 20.3014,
33.2698

216.2147,
253.5421, 331.5329

■ 8.8415, 12.6143,
22.0604

■ 34.2666, 43.9219,
65.9174

■ 4.6942, 7.1635,
13.7025

■ 48.2872, 60.6242,
88.1926

■ 2.1019, 3.5646,
7.7777

■ 65.6896, 81.1003,
114.9936

■ 0.6902, 1.4331,
3.8673

■ 86.8390, 105.7346,
146.7388

■ 0.0000, 0.2409,
1.5528

■ 112.1009,
134.9115, 183.8468

■ 0.0000, 0.0000,
0.2568

■ 141.8405,

■ 0.0000, 0.0000,

169.0155, 226.7362

0.0000

176.4234,
208.4309, 275.8253

■ 14.9091, 20.3014,
33.2698

■ 14.9091, 20.3014,
33.2698

■ 14.4528, 19.6926,
33.1767

■ 15.5266, 21.0004,
33.3726

■ 14.4322, 19.6646,
33.1724

■ 16.3670, 21.8201,
33.4865

■ 17.4583, 22.7755,
33.6134

■ 18.8238, 23.8787,
33.7543

■ 20.4844, 25.1402,
33.9103

■ 22.4585, 26.5698,
34.0822

■ 24.7633, 28.1763,
34.2708

■ 27.4147, 29.9679,
34.4769

■ 30.4274, 31.9523,
34.7011

Harmonies

Analogous

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



14.0411, 20.3014, 23.6981



14.9091, 20.3014, 33.2698



16.9577, 20.3014, 41.0763

Triad

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



14.9091, 20.3014, 33.2698



25.1106, 20.3014, 29.8533



18.7575, 20.3014, 9.2746

Complementary

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



14.9091, 20.3014, 33.2698



13.7476, 7.8437, 1.2802

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.



21.8396, 20.3014, 10.1142



14.9091, 20.3014, 33.2698



25.7211, 20.3014, 20.5845

Square

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



14.9091, 20.3014, 33.2698



22.8780, 20.3014, 38.7683



24.4684, 20.3014, 13.7672



16.1086, 20.3014, 11.0669

Rectangle

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



14.9091, 20.3014, 33.2698



18.8243, 20.3014, 43.3416



24.4684, 20.3014, 13.7672



19.7753, 20.3014, 9.2651

Sweetspot

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



14.9098, 20.3021, 33.2703



40.9968, 48.1321, 61.1016



11.8660, 22.9974, 5.1798



8.7902, 10.4422, 13.4697



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.9098, 20.3021, 33.2703



25.7579, 35.0402, 59.3778



8.0629, 6.6085, 30.9880



6.3230, 6.9033, 7.9282



11.9434, 16.2835, 27.4213



0.1937, 0.2738, 0.4150

Inverse Universe

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



17.8381, 8.9496, 24.4550



31.3305, 15.2500, 42.1955



17.8350, 16.0185, 2.6427



6.4301, 6.3112, 7.6453



14.4873, 7.0491, 19.6227



0.2242, 0.1084, 0.3337

Previews

White Background



This preview shows how the XYZ color 14.9091, 20.3014, 33.2698 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 14.9091, 20.3014, 33.2698 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

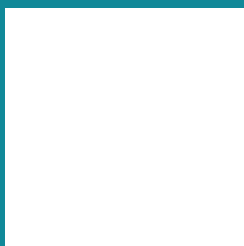
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9091, 20.3014, 33.2698

Background



This preview shows how black text looks on a background with the XYZ color 14.9091, 20.3014, 33.2698.

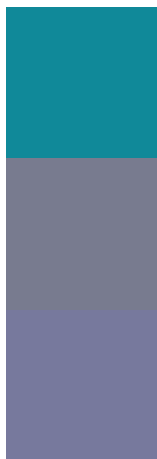


This preview shows how white text looks on a background with the XYZ color 14.9091, 20.3014,

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

14.9091, 20.3014, 33.2698

Protanopia

19.7866, 20.1422, 28.8316

Deuteranopia

20.5309, 20.0310, 34.6826



Tritanopia

14.5133, 20.3469, 31.5962

Trichromacy



Original Color

14.9091, 20.3014, 33.2698

Protanomaly

16.4653, 19.3388, 30.4687

Deuteranomaly

17.0698, 19.3729, 34.2922

Tritanomaly

14.6686, 20.4177, 32.0221

Monochromacy



Original Color

14.9091, 20.3014, 33.2698

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1805, 14.9815, 20.3389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9091, 20.3014, 33.2698 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(16, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 153)  
}
```

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(16, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 14.9091, 20.3014, 33.2698 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(16, 137, 153) }
```


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

```
.border{ border-color:rgb(16, 137, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9091, 20.3014, 33.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 153) }
```

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

```
.background{ background-color: rgb(16, 137,  
153) }
```

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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