

Converting Colors

XYZ(14.6945, 19.3660, 33.0907)

Have a look what the booklet for
XYZ(14.6945, 19.3660, 33.0907)
contains.

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Color

**XYZ(14.7024, 19.3663,
33.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8599
RGB	31, 133, 153
RGB Percent	12%, 52%, 60%
CMY	0.8784, 0.4784, 0.4000
CMYK	0.80, 0.13, 0.00, 0.40
HSL	190°, 66%, 36%
HSV	190°, 80%, 60%
XYZ	14.7024, 19.3663, 33.1002
YIQ	104.7820, -67.2120, -15.4040

Conversions

Conversions Part 2

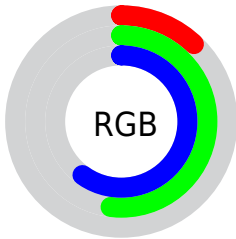
Format	Color
R_{YB}	31, 87, 153
Decimal	2065817
CIE _{Lab}	51.11, -20.88, -18.77
CIE _{LCh}	51, 28.073, 221.952
Yxy	19.3663, 0.2189, 0.2883
Android (android.graphics.Color)	4280255897 (0xFF1F8599)
YUV	104.7820, 23.7715, -64.7068
Hunter-Lab	44.0072, -17.3773, -13.7903

Details

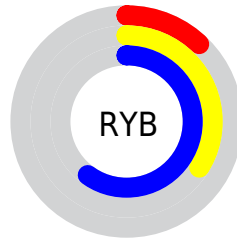
The XYZ color **14.7024, 19.3663, 33.1002** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5687, 9.2398, 2.3126**, and the grayscale version is **13.3202, 14.0139, 15.2611**.

A 20% lighter version of the original color is **33.7512, 42.1642, 65.3911**, and **5.4915, 7.1458, 13.6602** is the 20% darker color. If you saturate the color by 10%, you get **14.0071, 18.5045, 32.9709**, and if you desaturate by 10%, it is **15.6259, 20.3587, 33.2434**.

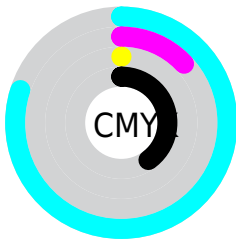
Distribution



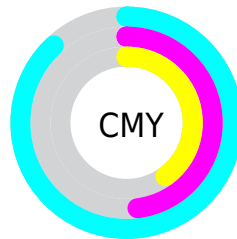
- Red (12%)
- Green (52%)
- Blue (60%)



- Red (12%)
- Yellow (34%)
- Blue (60%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



- Cyan (88%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7024, 19.3663, 33.1002 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 14.7024, 19.3663, 33.1002 by changing the saturation by 10% instead.

■ 14.7024, 19.3663,
33.1002

■ 14.7024, 19.3663,
33.1002

■ 214.9821,
248.4635, 330.7468

■ 8.6957, 11.9353,
21.9315

■ 33.9062, 42.3521,
65.6497

■ 4.5988, 6.6996,
13.6087

■ 47.8341, 58.6757,
87.8676

■ 2.0461, 3.2750,
7.7134

■ 65.1330, 78.7323,
114.6057

■ 0.6597, 1.2769,
3.8270

■ 86.1685, 102.9062,
146.2824

■ 0.0000, 0.1232,
1.5309

■ 111.3058,
131.5819, 183.3163

■ 0.0000, 0.0000,
0.2408

■ 140.9102,

■ 0.0000, 0.0000,

165.1438, 226.1260

0.0000

175.3472,
203.9762, 275.1300

■ 14.7024, 19.3663,
33.1002

■ 14.7024, 19.3663,
33.1002

■ 14.0071, 18.5045,
32.9709

■ 15.6259, 20.3587,
33.2434

■ 13.4722, 17.7371,
32.8509

■ 16.8032, 21.4938,
33.4005

■ 13.4583, 17.7169,
32.8478

■ 18.2585, 22.7845,
33.5729

■ 20.0123, 24.2416,
33.7617

■ 22.0835, 25.8747,
33.9678

■ 24.4892, 27.6930,
34.1920

■ 27.2454, 29.7045,
34.4350

■ 30.3668, 31.9171,
34.6975

■ 33.8676, 34.3381,
34.9803

Harmonies

Analogous

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



13.6464, 19.3663, 24.4272



14.7024, 19.3663, 33.1002



16.7962, 19.3663, 39.3035

Triad

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



14.7024, 19.3663, 33.1002



23.9868, 19.3663, 26.2078



17.3195, 19.3663, 9.3538

Complementary

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



14.7024, 19.3663, 33.1002



14.5687, 9.2398, 2.3126

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.



20.1178, 19.3663, 9.6017



14.7024, 19.3663, 33.1002



24.1632, 19.3663, 18.0654

Square

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



14.7024, 19.3663, 33.1002



22.2269, 19.3663, 34.6837



22.6870, 19.3663, 12.4009



15.0521, 19.3663, 11.6083

Rectangle

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



14.7024, 19.3663, 33.1002



18.5902, 19.3663, 40.4446



22.6870, 19.3663, 12.4009



18.2252, 19.3663, 9.1667

Sweetspot

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



14.7030, 19.3670, 33.1007



41.7371, 48.0079, 61.0386



12.5177, 23.2986, 6.7774



8.9109, 10.3688, 13.4492



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.



14.7030, 19.3670, 33.1007



24.3251, 32.0269, 58.8717



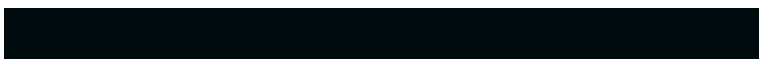
8.7445, 7.4499, 31.1145



6.2984, 6.8541, 7.9200



11.1434, 14.6835, 27.1546



0.1868, 0.2600, 0.4127

Inverse Universe

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



17.8611, 9.4464, 23.0730



30.6434, 15.1133, 38.1513



18.9933, 18.0890, 3.7875



6.4177, 6.3062, 7.5798



14.0835, 6.8876, 17.4963



0.2208, 0.1071, 0.3154

Previews

White Background



This preview shows how the XYZ color 14.7024, 19.3663, 33.1002 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 14.7024, 19.3663, 33.1002 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 14.7024, 19.3663, 33.1002

Background



This preview shows how black text looks on a background with the XYZ color 14.7024, 19.3663, 33.1002.

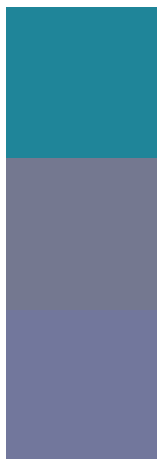


This preview shows how white text looks on a background with the XYZ color 14.7024, 19.3663,

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

14.7024, 19.3663, 33.1002

Protanopia

18.9530, 19.1596, 29.0848

Deuteranopia

19.5370, 19.1714, 34.1232



Tritanopia

13.9668, 19.2651, 29.7705

Trichromacy



Original Color

14.7024, 19.3663, 33.1002

Protanomaly

16.3464, 18.7051, 30.3527

Deuteranomaly

16.7802, 18.6667, 33.7290

Tritanomaly

14.2713, 19.3950, 31.0084

Monochromacy



Original Color

14.7024, 19.3663, 33.1002

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7855, 15.2863, 20.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7024, 19.3663, 33.1002 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(31, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(31, 133, 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(31, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 133, 153) }
```

Border

The CSS property to change the border of an element to XYZ 14.7024, 19.3663, 33.1002 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(31, 133, 153) }
```


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

```
.border{ border-color:rgb(31, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(31, 133,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7024, 19.3663, 33.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 133, 153) }
```

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

```
.background{ background-color: rgb(31, 133,  
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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