

Converting Colors

XYZ(15.7630, 20.1705, 34.1354)

Have a look what the booklet for
XYZ(15.7630, 20.1705, 34.1354)
contains.

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Color

**XYZ(15.7081, 20.0697,
34.0563)**

Conversions

Conversions Part 1

Format	Color
Hex	31869B
RGB	49, 134, 155
RGB Percent	19%, 53%, 61%
CMY	0.8078, 0.4745, 0.3922
CMYK	0.68, 0.14, 0.00, 0.39
HSL	192°, 52%, 40%
HSV	192°, 68%, 61%
XYZ	15.7081, 20.0697, 34.0563
YIQ	110.9790, -57.4010, -11.4890

Conversions

Conversions Part 2

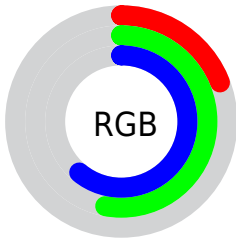
Format	Color
RYB	49, 96, 155
Decimal	3245723
CIELab	51.92, -18.35, -18.66
CIELCh	52, 26.177, 225.483
Yxy	20.0697, 0.2249, 0.2874
Android (android.graphics.Color)	4281435803 (0xFF31869B)
YUV	110.9790, 21.7024, -54.3556
Hunter-Lab	44.7992, -15.8106, -13.7127




Details

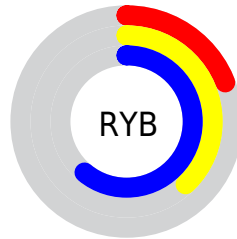
The XYZ color **15.7081, 20.0697, 34.0563** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2627, 11.5714, 4.2828**, and the grayscale version is **15.0551, 15.8391, 17.2488**.




A 20% lighter version of the original color is **35.4633, 43.3322, 66.8164**, and **5.6690, 7.3401, 14.2147** is the 20% darker color. If you saturate the color by 10%, you get **14.6670, 18.9124, 33.8882**, and if you desaturate by 10%, it is **17.0199, 21.3856, 34.2415**.

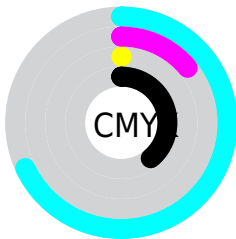
Distribution







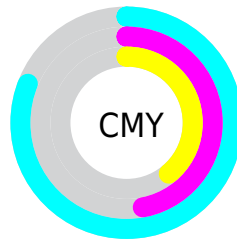
-  Red (19%)
-  Green (53%)
-  Blue (61%)






-  Red (19%)
-  Yellow (38%)
-  Blue (61%)



-  Cyan (68%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (39%)



-  Cyan (81%)
-  Magenta (47%)
-  Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7081, 20.0697, 34.0563 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 15.7081, 20.0697, 34.0563 by changing the saturation by 10% instead.

■ 15.7081, 20.0697,
34.0563

■ 15.7081, 20.0697,
34.0563

220.9175,
252.2922, 335.1598

■ 9.4074, 12.4457,
22.6591

■ 35.6523, 43.5340,
67.1561

■ 5.0671, 7.0480,
14.1391

■ 50.0264, 60.1431,
89.6958

■ 2.3218, 3.4921,
8.0776

■ 67.8224, 80.5161,
116.7868

■ 0.8058, 1.3937,
4.0562

■ 89.4056, 105.0373,
148.8477

■ 0.0000, 0.2121,
1.6562

■ 115.1413,
134.0911, 186.2968

■ 0.0000, 0.0000,
0.3305

145.3950,

■ 0.0000, 0.0000,

168.0619, 229.5529

0.0000

180.5319,
207.3341, 279.0344

■ 15.7081, 20.0697,
34.0563

■ 15.7081, 20.0697,
34.0563

■ 14.6670, 18.9124,
33.8882

■ 17.0199, 21.3856,
34.2415

■ 13.8670, 17.8972,
33.7344

■ 18.6243, 22.8705,
34.4436

■ 13.2548, 16.9968,
33.5928

■ 20.5432, 24.5360,
34.6639

■ 13.1609, 16.8555,
33.5705

■ 22.7957, 26.3923,
34.9035

■ 25.3994, 28.4485,
35.1632

■ 28.3705, 30.7132,
35.4437

■ 31.7245, 33.1943,
35.7458

■ 35.4755, 35.8996,
36.0703

■ 39.6374, 38.8361,
36.4177

Harmonies

Analogous

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



14.5569, 20.0697, 26.0027



15.7081, 20.0697, 34.0563



17.8214, 20.0697, 39.3315

Triad

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



15.7081, 20.0697, 34.0563



24.4706, 20.0697, 25.7359



17.7420, 20.0697, 10.5533

Complementary

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



15.7081, 20.0697, 34.0563



16.2627, 11.5714, 4.2828

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.



20.3874, 20.0697, 10.5140



15.7081, 20.0697, 34.0563



24.4443, 20.0697, 18.1692

Square

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



15.7081, 20.0697, 34.0563



22.9620, 20.0697, 33.8222



22.8931, 20.0697, 12.9800



15.6546, 20.0697, 13.1037

Rectangle

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



15.7081, 20.0697, 34.0563



19.5687, 20.0697, 39.9276



22.8931, 20.0697, 12.9800



18.5909, 20.0697, 10.2698

Sweetspot

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



15.7087, 20.0704, 34.0568



44.0078, 49.7945, 62.8281



14.0452, 24.5188, 9.5316



9.6885, 11.0562, 14.1938



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7087, 20.0704, 34.0568



25.4690, 32.8913, 60.5426



10.2439, 9.1408, 32.2352



6.2806, 6.8186, 7.9141



10.5977, 13.5920, 26.9727



0.1820, 0.2504, 0.4111

Inverse Universe

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



18.9195, 10.8871, 23.6592



31.9829, 16.6118, 38.9211



20.9627, 20.9714, 5.8494



6.4087, 6.3027, 7.5326



13.8080, 6.7774, 16.0456



0.2183, 0.1061, 0.3026

Previews

White Background



This preview shows how the XYZ color 15.7081, 20.0697, 34.0563 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 15.7081, 20.0697, 34.0563 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

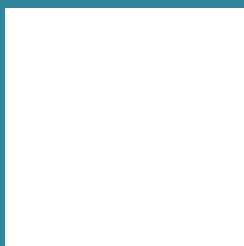
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7081, 20.0697, 34.0563

Background



This preview shows how black text looks on a background with the XYZ color 15.7081, 20.0697, 34.0563.

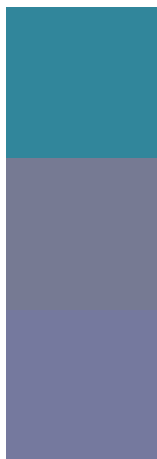


This preview shows how white text looks on a background with the XYZ color 15.7081, 20.0697,

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

15.7081, 20.0697, 34.0563

Protanopia

19.6972, 19.8772, 30.4023

Deuteranopia

20.3450, 19.9253, 35.1214



Tritanopia

14.8910, 19.9387, 30.2579

Trichromacy



Original Color

15.7081, 20.0697, 34.0563

Protanomaly

17.4801, 19.4509, 31.6873

Deuteranomaly

17.9603, 19.6313, 34.7409

Tritanomaly

15.2155, 20.0787, 31.5074

Monochromacy



Original Color

15.7081, 20.0697, 34.0563

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4521, 16.8007, 22.5598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7081, 20.0697, 34.0563 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(49, 134, 155)` looks like.

```
.text, #text, p{  
  color:rgb(49, 134, 155)  
}
```

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(49, 134, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 134, 155) }
```

Border

The CSS property to change the border of an element to XYZ 15.7081, 20.0697, 34.0563 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(49, 134, 155) }
```


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

```
.border{ border-color:rgb(49, 134, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 134, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 134, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 134, 155);  
box-shadow:4px 4px 4px 4px rgb(49, 134,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7081, 20.0697, 34.0563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 134, 155) }
```

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

```
.background{ background-color: rgb(49, 134,  
155) }
```

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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