

Converting Colors

XYZ(15.0776, 20.9524, 21.1705)

Have a look what the booklet for
XYZ(15.0776, 20.9524, 21.1705)
contains.

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Color

**XYZ(15.0044, 20.8351,
21.0001)**

Conversions

Conversions Part 1

Format	Color
Hex	468A78
RGB	70, 138, 120
RGB Percent	27%, 54%, 47%
CMY	0.7255, 0.4588, 0.5294
CMYK	0.49, 0.00, 0.13, 0.46
HSL	164°, 33%, 41%
HSV	164°, 49%, 54%
XYZ	15.0044, 20.8351, 21.0001
YIQ	115.6160, -34.7500, -20.0140

Conversions

Conversions Part 2

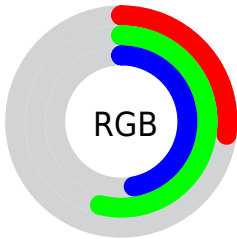
Format	Color
R_{YB}	70, 109, 138
Decimal	4622968
CIE _{Lab}	52.77, -26.19, 3.01
CIE _{LCh}	53, 26.361, 173.437
Yxy	20.8351, 0.2640, 0.3666
Android (android.graphics.Color)	4282813048 (0xFF468A78)
YUV	115.6160, 2.1613, -40.0052
Hunter-Lab	45.6455, -21.2038, 4.6743

Details

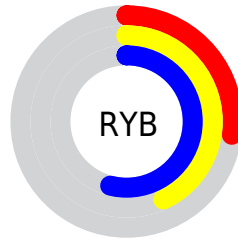
The XYZ color **15.0044, 20.8351, 21.0001** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4335, 10.4886, 10.4969**, and the grayscale version is **16.4847, 17.3432, 18.8867**.

A 20% lighter version of the original color is **34.4644, 44.8888, 45.8777**, and **4.7846, 7.5119, 7.3286** is the 20% darker color. If you saturate the color by 10%, you get **13.9037, 20.2933, 19.8135**, and if you desaturate by 10%, it is **16.3436, 21.4999, 22.2429**.

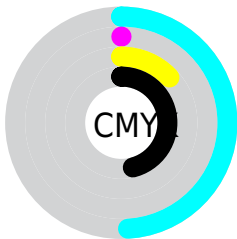
Distribution



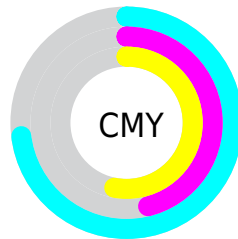
- Red (27%)
- Green (54%)
- Blue (47%)



- Red (27%)
- Yellow (43%)
- Blue (54%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (46%)



- Cyan (73%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0044, 20.8351, 21.0001 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 15.0044, 20.8351, 21.0001 by changing the saturation by 10% instead.

■ 15.0044, 20.8351,
21.0001

■ 15.0044, 20.8351,
21.0001

216.7807,
256.4008, 270.0601

■ 8.9088, 13.0035,
12.9328

■ 34.4325, 44.8129,
45.9685

■ 4.7384, 7.4310,
7.2521

■ 48.4957, 61.7280,
63.7067

■ 2.1278, 3.7331,
3.5394

■ 65.9455, 82.4396,
85.5056

■ 0.7042, 1.5254,
1.3762

■ 87.1472, 107.3323,
111.7838

■ 0.0000, 0.3065,
0.1231

■ 112.4663,
136.7903, 142.9598

■ 0.0000, 0.0000,
0.0000

142.2680,

171.1982, 179.4522

176.9176,
210.9402, 221.6794

■ 15.0044, 20.8351,
21.0001

■ 15.0044, 20.8351,
21.0001

■ 13.9037, 20.2933,
19.8135

■ 16.3436, 21.4999,
22.2429

■ 13.0237, 19.8638,
18.6805

■ 17.9339, 22.2926,
23.5417

■ 12.3469, 19.5381,
17.6002

■ 19.7892, 23.2210,
24.8979

■ 11.8524, 19.3055,
16.5711

■ 21.9220, 24.2913,
26.3128

■ 11.4865, 19.1382,
15.5902

■ 24.3436, 25.5096,
27.7872

■ 11.4609, 19.1265,
15.5208

■ 27.0651, 26.8815,
29.3221

■ 30.0967, 28.4121,
30.9184

■ 33.4483, 30.1067,
32.5771

■ 37.1292, 31.9700,
34.2991

Harmonies

Analogous

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



15.8554, 20.8351, 14.8132



15.0044, 20.8351, 21.0001



15.3404, 20.8351, 29.2522

Triad

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



15.0044, 20.8351, 21.0001



21.9798, 20.8351, 39.5933



23.1202, 20.8351, 12.5735

Complementary

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



15.0044, 20.8351, 21.0001



14.4335, 10.4886, 10.4969

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.



25.0570, 20.8351, 17.1840



15.0044, 20.8351, 21.0001



24.3572, 20.8351, 32.9462

Square

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



15.0044, 20.8351, 21.0001



19.2054, 20.8351, 41.2828



25.5293, 20.8351, 24.4595



20.4131, 20.8351, 10.7295

Rectangle

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



15.0044, 20.8351, 21.0001



16.2091, 20.8351, 34.7610



25.5293, 20.8351, 24.4595



23.8927, 20.8351, 13.7915

Sweetspot

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



15.0050, 20.8359, 21.0006



36.3076, 41.6450, 44.8590



14.2317, 20.7012, 9.0403



7.9945, 9.2660, 9.9609



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.0050, 20.8359, 21.0006



24.3369, 35.6859, 34.7224



14.0897, 17.0896, 26.6017



5.1173, 5.6664, 6.1385



10.5138, 17.5381, 14.2624



0.0759, 0.1189, 0.1266

Inverse Universe

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



14.4335, 10.4886, 10.4969



23.2219, 15.2545, 14.0489



14.9045, 12.4803, 7.4180



5.0837, 5.0689, 5.5293



9.9147, 5.0760, 2.0553



0.0712, 0.0359, 0.0419

Previews

White Background



This preview shows how the XYZ color 15.0044, 20.8351, 21.0001 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 15.0044, 20.8351, 21.0001 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 15.0044, 20.8351, 21.0001

Background



This preview shows how black text looks on a background with the XYZ color 15.0044, 20.8351, 21.0001.



This preview shows how white text looks on a background with the XYZ color 15.0044, 20.8351,

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

15.0044, 20.8351, 21.0001

Protanopia

19.5202, 20.6053, 18.5712

Deuteranopia

20.9567, 20.5333, 21.9276



Tritanopia

16.7778, 20.7142, 29.9020

Trichromacy



Original Color

15.0044, 20.8351, 21.0001

Protanomaly

17.3194, 20.4144, 19.5505

Deuteranomaly

17.9746, 20.1195, 21.6750

Tritanomaly

16.0096, 20.6014, 26.4252

Monochromacy



Original Color

15.0044, 20.8351, 21.0001

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5641, 18.3523, 19.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0044, 20.8351, 21.0001 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(70, 138, 120)` looks like.

```
.text, #text, p{  
    color:rgb(70, 138, 120)  
}
```

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(70, 138, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 138, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.0044, 20.8351, 21.0001 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(70, 138, 120) }
```


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

```
.border{ border-color:rgb(70, 138, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 138, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 138, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 138, 120);  
box-shadow:4px 4px 4px 4px rgb(70, 138,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0044, 20.8351, 21.0001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 138, 120) }
```

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

```
.background{ background-color: rgb(70, 138,  
120) }
```

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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