

Converting Colors

XYZ(15.9813, 21.1330, 12.3748)

Have a look what the booklet for
XYZ(15.9813, 21.1330, 12.3748)
contains.

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Color

**XYZ(15.9324, 21.0796,
12.4616)**

Conversions

Conversions Part 1

Format	Color
Hex	658858
RGB	101, 136, 88
RGB Percent	40%, 53%, 35%
CMY	0.6039, 0.4667, 0.6549
CMYK	0.26, 0.00, 0.35, 0.47
HSL	104°, 21%, 44%
HSV	104°, 35%, 53%
XYZ	15.9324, 21.0796, 12.4616
YIQ	120.0630, -5.4520, -22.3480

Conversions

Conversions Part 2

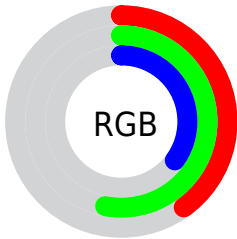
Format	Color
R_{YB}	88, 136, 123
Decimal	6654040
CIE _{Lab}	53.04, -21.88, 21.93
CIE _{LCh}	53, 30.977, 134.945
Yxy	21.0796, 0.3220, 0.4261
Android (android.graphics.Color)	4284844120 (0xFF658858)
YUV	120.0630, -15.8071, -16.7183
Hunter-Lab	45.9125, -18.4045, 16.0462

Details

The XYZ color **15.9324, 21.0796, 12.4616** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1031, 12.9687, 24.9482**, and the grayscale version is **17.9234, 18.8568, 20.5351**.

A 20% lighter version of the original color is **36.1378, 45.4342, 30.9098**, and **5.1619, 7.5528, 3.3763** is the 20% darker color. If you saturate the color by 10%, you get **14.3767, 20.3374, 9.7175**, and if you desaturate by 10%, it is **17.7283, 21.9348, 15.7666**.

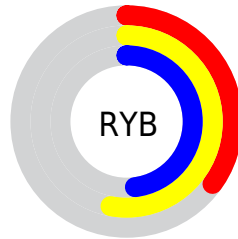
Distribution



Red (40%)

Green (53%)

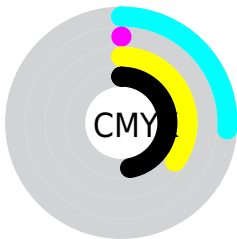
Blue (35%)



Red (35%)

Yellow (53%)

Blue (48%)

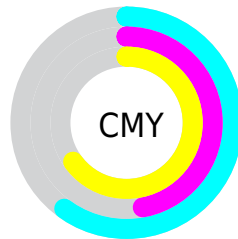


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (47%)



Cyan (60%)

Magenta (47%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9324, 21.0796, 12.4616 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 15.9324, 21.0796, 12.4616 by changing the saturation by 10% instead.

■ 15.9324, 21.0796,
12.4616

■ 15.9324, 21.0796,
12.4616

222.2207,
257.7012, 218.5230

■ 9.5669, 13.1822,
6.9325

■ 36.0392, 45.2200,
31.0099

■ 5.1728, 7.5541,
3.3421

■ 50.5112, 62.2317,
44.8663

■ 2.3848, 3.8110,
1.2719

■ 68.4160, 83.0504,
62.3355

■ 0.8375, 1.5684,
0.0386

■ 90.1191, 108.0604,
83.8361

■ 0.0000, 0.3362,
0.0000

■ 115.9858,
137.6461, 109.7866

■ 0.0000, 0.0000,
0.0000

146.3814,

172.1918, 140.6055

181.6712,
212.0821, 176.7115

■ 15.9324, 21.0796,
12.4616

■ 15.9324, 21.0796,
12.4616

■ 14.3767, 20.3374,
9.7175

■ 17.7283, 21.9348,
15.7666

■ 13.0490, 19.7006,
7.5017

■ 19.7728, 22.9047,
19.6597

■ 11.9385, 19.1650,
5.7806

■ 22.0757, 23.9945,
24.1680

■ 11.0324, 18.7250,
4.5161

■ 24.6459, 25.2081,
29.3167

■ 10.3170, 18.3743,
3.6647

■ 27.4917, 26.5495,
35.1295

■ 9.7740, 18.1049,
3.1632

■ 30.6212, 28.0222,
41.6288

■ 9.5614, 17.9993,
2.9703

■ 34.0421, 29.6298,
48.8360

■ 37.7618, 31.3756,
56.7716

■ 41.7875, 33.2629,
65.4552

Harmonies

Analogous

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



18.4648, 21.0796, 9.6270



15.9324, 21.0796, 12.4616



14.5802, 21.0796, 18.6052

Triad

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



15.9324, 21.0796, 12.4616



18.4539, 21.0796, 44.9703



26.7094, 21.0796, 18.6338

Complementary

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



15.9324, 21.0796, 12.4616



16.1031, 12.9687, 24.9482

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.



26.7057, 21.0796, 27.9283



15.9324, 21.0796, 12.4616



21.6929, 21.0796, 44.9841

Square

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



15.9324, 21.0796, 12.4616



15.9252, 21.0796, 38.0813



24.7888, 21.0796, 38.1151



24.7985, 21.0796, 12.4777

Rectangle

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



15.9324, 21.0796, 12.4616



14.4259, 21.0796, 24.5318



24.7888, 21.0796, 38.1151



26.9382, 21.0796, 21.4417

Sweetspot

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



15.9329, 21.0805, 12.4621



36.4339, 41.1159, 37.7334



18.9245, 19.9573, 12.0876



8.3311, 9.4715, 8.5307



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.



15.9329, 21.0805, 12.4621



25.9512, 36.1335, 18.1903



15.0529, 20.5734, 14.8327



5.0907, 5.6695, 5.3784



9.0572, 17.0391, 2.8115



0.0726, 0.1196, 0.0193

Inverse Universe

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



16.1031, 12.9687, 24.9482



26.2864, 19.7072, 43.4668



17.3840, 13.7103, 21.3347



5.1040, 5.0620, 6.3139



9.1032, 4.2070, 22.3779



0.0745, 0.0352, 0.1493

Previews

White Background



This preview shows how the XYZ color 15.9324, 21.0796, 12.4616 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 15.9324, 21.0796, 12.4616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

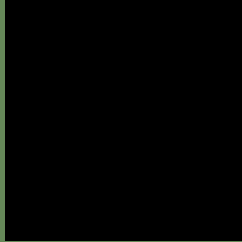
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9324, 21.0796, 12.4616

Background



This preview shows how black text looks on a background with the XYZ color 15.9324, 21.0796, 12.4616.



This preview shows how white text looks on a background with the XYZ color 15.9324, 21.0796,

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

15.9324, 21.0796, 12.4616

Protanopia

19.3776, 20.8802, 11.3965

Deuteranopia

21.3034, 20.9141, 12.8115



Tritanopia

19.0229, 21.1099, 27.8829

Trichromacy



Original Color

15.9324, 21.0796, 12.4616

Protanomaly

17.9345, 20.9062, 11.6844

Deuteranomaly

18.8220, 20.5654, 12.6504

Tritanomaly

17.6463, 20.9472, 21.2023

Monochromacy



Original Color

15.9324, 21.0796, 12.4616

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.9777, 19.5151, 17.0593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9324, 21.0796, 12.4616 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(101, 136, 88)` looks like.

```
.text, #text, p{  
    color:rgb(101, 136, 88)  
}
```

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(101, 136, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 136, 88) }
```

Border

The CSS property to change the border of an element to XYZ 15.9324, 21.0796, 12.4616 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(101, 136, 88) }
```


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

```
.border{ border-color:rgb(101, 136, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 136, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 136, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 136, 88);  
box-shadow:4px 4px 4px 4px rgb(101, 136,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9324, 21.0796, 12.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 136, 88) }
```

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

```
.background{ background-color: rgb(101,  
136, 88) }
```

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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