

Converting Colors

XYZ(15.8743, 21.6457, 11.0014)

Have a look what the booklet for
XYZ(15.8743, 21.6457, 11.0014)
contains.

XYZ(15.9361, 21.7537, 10.9484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9361, 21.7537,
10.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	648B50
RGB	100, 139, 80
RGB Percent	39%, 55%, 31%
CMY	0.6078, 0.4549, 0.6863
CMYK	0.28, 0.00, 0.42, 0.45
HSL	100°, 27%, 43%
HSV	100°, 42%, 55%
XYZ	15.9361, 21.7537, 10.9484
YIQ	120.6130, -4.3050, -26.6170

Conversions

Conversions Part 2

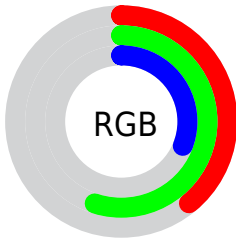
Format	Color
R_{YB}	80, 139, 119
Decimal	6589264
CIE _{Lab}	53.76, -25.00, 27.28
CIE _{LCh}	54, 37.004, 132.502
Yxy	21.7537, 0.3276, 0.4473
Android (android.graphics.Color)	4284779344 (0xFF648B50)
YUV	120.6130, -20.0222, -18.0776
Hunter-Lab	46.6409, -20.6322, 18.7310

Details

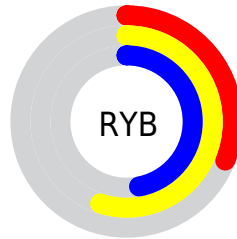
The XYZ color **15.9361, 21.7537, 10.9484** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.1375, 11.5240, 25.8537**, and the grayscale version is **18.1131, 19.0563, 20.7524**.

A 20% lighter version of the original color is **36.0481, 46.4270, 28.1805**, and **5.2264, 7.9641, 2.7751** is the 20% darker color. If you saturate the color by 10%, you get **14.5152, 21.0752, 8.4728**, and if you desaturate by 10%, it is **17.5790, 22.5357, 13.9900**.

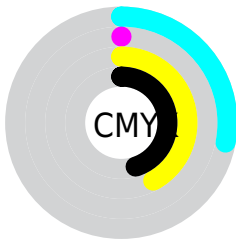
Distribution



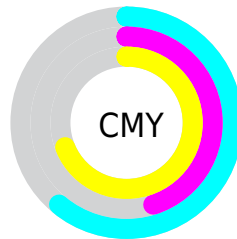
- Red (39%)
- Green (55%)
- Blue (31%)



- Red (31%)
- Yellow (55%)
- Blue (47%)



- Cyan (28%)
- Magenta (0%)
- Yellow (42%)
- Black (45%)



- Cyan (61%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9361, 21.7537, 10.9484 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 15.9361, 21.7537, 10.9484 by changing the saturation by 10% instead.

15.9361, 21.7537,
10.9484

15.9361, 21.7537,
10.9484

222.2422,
261.2573, 208.0379

9.5695, 13.6760,
5.9184

36.0456, 46.3386,
28.1999

5.1745, 7.8957,
2.7275

50.5192, 63.6146,
41.2585

2.3858, 4.0283,
0.9572

68.4258, 84.7255,
57.8304

0.8381, 1.6894,
0.0000

90.1309, 110.0557,
78.3341

0.0000, 0.4168,
0.0000

115.9997,
139.9896, 103.1881

0.0000, 0.0000,
0.0000

146.3976,

174.9115, 132.8111

181.6900,
215.2060, 167.6215

■ 15.9361, 21.7537,
10.9484

■ 15.9361, 21.7537,
10.9484

■ 14.5152, 21.0752,
8.4728

■ 17.5790, 22.5357,
13.9900

■ 13.3044, 20.4928,
6.5269

■ 19.4519, 23.4226,
17.6281

■ 12.2927, 20.0024,
5.0722


■ 21.5645, 24.4195,
21.8928


■ 11.4677, 19.5986,
4.0647


■ 23.9253, 25.5301,
26.8117


■ 10.8150, 19.2749,
3.4521


■ 26.5423, 26.7580,
32.4108

 10.4107, 19.0732,
3.1328

 29.4232, 28.1066,
38.7145

 32.5755, 29.5793,
45.7464

 36.0062, 31.1792,
53.5285

 39.7220, 32.9093,
62.0822

Harmonies

Analogous

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



19.0675, 21.7537, 8.1122



15.9361, 21.7537, 10.9484



14.2173, 21.7537, 17.7024

Triad

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



15.9361, 21.7537, 10.9484



18.4650, 21.7537, 51.2505



29.0594, 21.7537, 19.2620

Complementary

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



15.9361, 21.7537, 10.9484



15.1375, 11.5240, 25.8537

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.



28.8439, 21.7537, 30.8857



15.9361, 21.7537, 10.9484



22.3730, 21.7537, 52.0801

Square

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



15.9361, 21.7537, 10.9484



15.5438, 21.7537, 41.7378



26.2739, 21.7537, 43.7347



26.8297, 21.7537, 11.7739

Rectangle

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



15.9361, 21.7537, 10.9484



13.9495, 21.7537, 24.6532



26.2739, 21.7537, 43.7347



29.2780, 21.7537, 22.7446

Sweetspot

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



15.9366, 21.7546, 10.9489



38.2832, 43.5721, 38.5211



18.6160, 19.1085, 10.2969



8.6409, 9.9550, 8.5080



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9366, 21.7546, 10.9489



26.0726, 37.7785, 15.3063



14.3384, 20.8904, 12.6952



5.1213, 5.6853, 5.3798



9.4126, 17.2224, 2.8282



0.0770, 0.1219, 0.0195

Inverse Universe

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



15.1375, 11.5240, 25.8537



24.4265, 16.8962, 45.7168



17.5563, 12.8426, 22.7264



5.0720, 5.0455, 6.3124



8.1980, 3.7403, 22.3356



0.0701, 0.0329, 0.1491

Previews

White Background



This preview shows how the XYZ color 15.9361, 21.7537, 10.9484 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 15.9361, 21.7537, 10.9484 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 15.9361, 21.7537, 10.9484

Background



This preview shows how black text looks on a background with the XYZ color 15.9361, 21.7537, 10.9484.



This preview shows how white text looks on a background with the XYZ color 15.9361, 21.7537,

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

15.9361, 21.7537, 10.9484

Protanopia

19.8389, 21.5356, 9.9486

Deuteranopia

21.8862, 21.4292, 11.3702



Tritanopia

19.5642, 21.7705, 28.7622

Trichromacy



Original Color

15.9361, 21.7537, 10.9484

Protanomaly

18.0483, 21.3983, 10.2002

Deuteranomaly

19.1120, 21.1312, 11.2550

Tritanomaly

17.9376, 21.7240, 20.7005

Monochromacy



Original Color

15.9361, 21.7537, 10.9484

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1307, 19.9897, 16.5912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9361, 21.7537, 10.9484 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(100, 139, 80)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 80)  
}
```

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(100, 139, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 80) }
```

Border

The CSS property to change the border of an element to XYZ 15.9361, 21.7537, 10.9484 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(100, 139, 80) }
```


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

```
.border{ border-color:rgb(100, 139, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 139, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 80);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9361, 21.7537, 10.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 80) }
```

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

```
.background{ background-color: rgb(100,  
139, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor