

Converting Colors

XYZ(6.5766, 9.6908, 6.3408)

Have a look what the booklet for
XYZ(6.5766, 9.6908, 6.3408)
contains.

XYZ(6.5653, 9.6234, 6.3620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(6.5653, 9.6234, 6.3620)

Conversions

Conversions Part 1

Format	Color
Hex	336140
RGB	51, 97, 64
RGB Percent	20%, 38%, 25%
CMY	0.8000, 0.6196, 0.7490
CMYK	0.47, 0.00, 0.34, 0.62
HSL	137°, 31%, 29%
HSV	137°, 47%, 38%
XYZ	6.5653, 9.6234, 6.3620
YIQ	79.4840, -16.8230, -20.0150

Conversions

Conversions Part 2

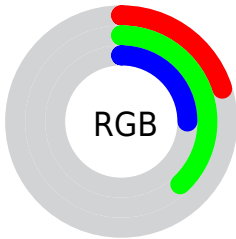
Format	Color
R_{YB}	51, 87, 97
Decimal	3367232
CIE _{Lab}	37.16, -23.98, 14.04
CIE _{LCh}	37, 27.787, 149.643
Yxy	9.6234, 0.2911, 0.4267
Android (android.graphics.Color)	4281557312 (0xFF336140)
YUV	79.4840, -7.6336, -24.9805
Hunter-Lab	31.0216, -16.5107, 9.5558

Details

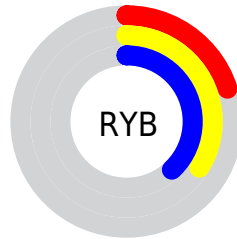
The XYZ color **6.5653, 9.6234, 6.3620** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.7140, 5.5492, 9.0520**, and the grayscale version is **7.5417, 7.9345, 8.6406**.

A 20% lighter version of the original color is **18.7701, 25.0590, 19.1768**, and **1.2760, 2.3353, 1.0930** is the 20% darker color. If you saturate the color by 10%, you get **5.9409, 9.3233, 5.3629**, and if you desaturate by 10%, it is **7.3170, 9.9868, 7.4965**.

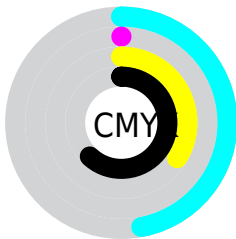
Distribution



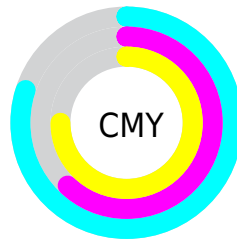
- Red (20%)
- Green (38%)
- Blue (25%)



- Red (20%)
- Yellow (34%)
- Blue (38%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (62%)





- Cyan (80%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.5653, 9.6234, 6.3620 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 6.5653, 9.6234, 6.3620 by changing the saturation by 10% instead.


 6.5653, 9.6234,
6.3620


 6.5653, 9.6234,
6.3620


158.6261,
187.9627, 171.6765


 3.2357, 5.1500,
2.9941

 18.8067, 25.0847,
19.1682


 1.2796, 2.3355,
1.0916


 28.4492, 36.8414,
29.4437

 0.1679, 0.7924,
0.0000

 40.9266, 51.7946,
42.8587

 0.0000, 0.0000,
0.0000

 56.6044, 70.3288,
59.8318

 75.8479, 92.8283,
80.7816

 99.0224, 119.6775,

106.1266

126.4934,
151.2608, 136.2854

■ 6.5653, 9.6234,
6.3620

■ 6.5653, 9.6234,
6.3620

■ 5.9409, 9.3233,
5.3629

■ 7.3170, 9.9868,
7.4965

■ 5.4357, 9.0815,
4.4936

■ 8.2018, 10.4157,
8.7706

■ 5.0419, 8.8946,
3.7487


■ 9.2264, 10.9136,
10.1890


■ 4.7503, 8.7578,
3.1225


■ 10.3965, 11.4833,
11.7561


■ 4.5305, 8.6557,
2.6079


■ 11.7176, 12.1277,
13.4761

 4.4776, 8.6309,
2.4923

 13.1949, 12.8492,
15.3530

 14.8334, 13.6505,
17.3907

 16.6378, 14.5338,
19.5928

 18.6126, 15.5015,
21.9630

Harmonies

Analogous

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



7.5976, 9.6234, 4.1861



6.5653, 9.6234, 6.3620



6.2063, 9.6234, 10.4189

Triad

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



6.5653, 9.6234, 6.3620



9.1260, 9.6234, 23.1897



12.3545, 9.6234, 6.4361

Complementary

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



6.5653, 9.6234, 6.3620



7.7140, 5.5492, 9.0520

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.



12.8943, 9.6234, 10.5378



6.5653, 9.6234, 6.3620



10.8933, 9.6234, 21.1356

Square

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



6.5653, 9.6234, 6.3620



7.5659, 9.6234, 21.0409



12.3292, 9.6234, 16.0705



10.9337, 9.6234, 4.2184

Rectangle

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



6.5653, 9.6234, 6.3620



6.3570, 9.6234, 14.0195



12.3292, 9.6234, 16.0705



12.6524, 9.6234, 7.5900

Sweetspot

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



6.5656, 9.6238, 6.3622



16.3928, 18.9876, 18.2476



8.5947, 10.7078, 4.7456



3.9961, 4.6785, 4.4307



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



6.5656, 9.6238, 6.3622



10.0653, 15.9239, 8.9967



7.3306, 9.9298, 10.3912



2.5704, 2.8669, 2.8979



6.0731, 11.7353, 3.2911



32.1076, 62.5580, 15.8114

Inverse Universe

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



7.7140, 5.5492, 9.0520



12.2973, 7.9856, 14.2094



6.9760, 5.2539, 5.1655



2.6410, 2.6173, 3.0639



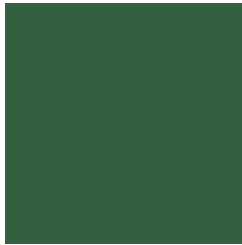
8.1736, 4.0443, 8.0341



43.2751, 21.4495, 40.8644

Previews

White Background



This preview shows how the XYZ color 6.5653, 9.6234, 6.3620 looks on a white background.

Color Contrast Check

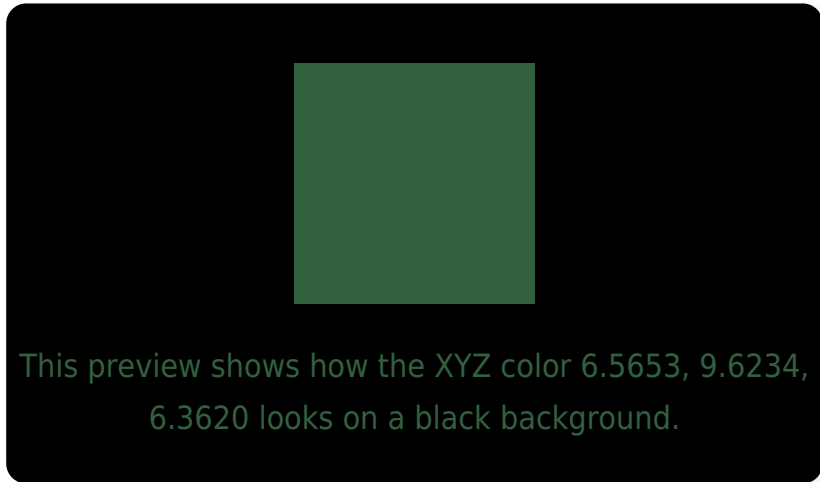
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

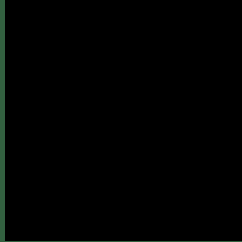
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.5653, 9.6234, 6.3620

Background



This preview shows how black text looks on a background with the XYZ color 6.5653, 9.6234, 6.3620.

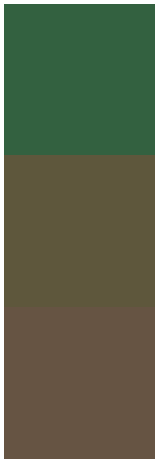


This preview shows how white text looks on a background with the XYZ color 6.5653, 9.6234, 6.3620.

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

6.5653, 9.6234, 6.3620

Protanopia

8.8399, 9.5223, 5.6470

Deuteranopia

9.6629, 9.5707, 6.6482



Tritanopia

8.0781, 9.7095, 13.5049

Trichromacy



Original Color

6.5653, 9.6234, 6.3620

Protanomaly

7.7253, 9.4388, 5.8296

Deuteranomaly

8.1230, 9.3771, 6.5361

Tritanomaly

7.4103, 9.5634, 10.4722

Monochromacy



Original Color

6.5653, 9.6234, 6.3620

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.0181, 8.4152, 7.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.5653, 9.6234, 6.3620 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(51, 97, 64)` looks like.

```
.text, #text, p{  
    color:rgb(51, 97, 64)  
}
```

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(51, 97, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 97, 64) }
```

Border

The CSS property to change the border of an element to XYZ 6.5653, 9.6234, 6.3620 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(51, 97, 64) }
```

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

```
.border{ border-color:rgb(51, 97, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 97, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 97, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 97, 64);  
box-shadow:4px 4px 4px 4px rgb(51, 97, 64)  
}
```


Background

The CSS property to change the background color of an element to XYZ 6.5653, 9.6234, 6.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 97, 64) }
```

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

```
.background{ background-color: rgb(51, 97,  
64) }
```

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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