

Converting Colors

XYZ(5.7216, 9.3603, 5.5231)

Have a look what the booklet for
XYZ(5.7216, 9.3603, 5.5231)
contains.

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Color

XYZ(5.6965, 9.3322, 5.5040)

Conversions

Conversions Part 1

Format	Color
Hex	1F623A
RGB	31, 98, 58
RGB Percent	12%, 38%, 23%
CMY	0.8784, 0.6157, 0.7725
CMYK	0.68, 0.00, 0.41, 0.62
HSL	144°, 52%, 25%
HSV	144°, 68%, 38%
XYZ	5.6965, 9.3322, 5.5040
YIQ	73.4070, -27.0920, -26.6440

Conversions

Conversions Part 2

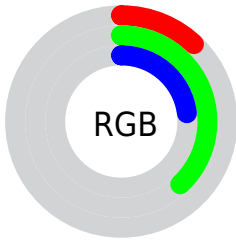
Format	Color
R_{YB}	31, 79, 98
Decimal	2056762
CIE _{Lab}	36.62, -31.12, 16.77
CIE _{LCh}	37, 35.352, 151.686
Yxy	9.3322, 0.2774, 0.4545
Android (android.graphics.Color)	4280246842 (0xFF1F623A)
YUV	73.4070, -7.5957, -37.1909
Hunter-Lab	30.5486, -20.1747, 10.7017

Details

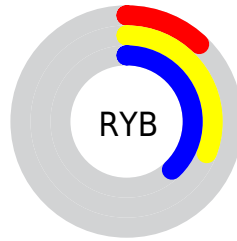
The XYZ color **5.6965, 9.3322, 5.5040** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.6647, 4.0318, 6.3887**, and the grayscale version is **6.4208, 6.7552, 7.3564**.

A 20% lighter version of the original color is **17.0051, 24.4203, 17.4530**, and **1.2268, 2.3157, 0.8343** is the 20% darker color. If you saturate the color by 10%, you get **5.3046, 9.1467, 4.7524**, and if you desaturate by 10%, it is **6.1956, 9.5716, 6.3494**.

Distribution



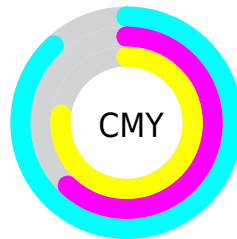
- Red (12%)
- Green (38%)
- Blue (23%)



- Red (12%)
- Yellow (31%)
- Blue (38%)



- Cyan (68%)
- Magenta (0%)
- Yellow (41%)
- Black (62%)



- Cyan (88%)
- Magenta (62%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.6965, 9.3322, 5.5040 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 5.6965, 9.3322, 5.5040 by changing the saturation by 10% instead.

■ 5.6965, 9.3322,
5.5040

■ 5.6965, 9.3322,
5.5040

151.1398,
185.8371, 163.7083

■ 2.7003, 4.9585,
2.4820

■ 17.0299, 24.5316,
17.3519

■ 0.9973, 2.2229,
0.8306

■ 26.0978, 36.1261,
27.0150

■ 0.0000, 0.7325,
0.0000

■ 37.9203, 50.8964,
39.7288

■ 0.0000, 0.0000,
0.0000

■ 52.8629, 69.2267,
55.9119

■ 71.2907, 91.5015,
75.9829

■ 93.5692, 118.1053,

100.3602

120.0638,
149.4224, 129.4626

5.6965, 9.3322,
5.5040

5.6965, 9.3322,
5.5040

5.3046, 9.1467,
4.7524

6.1956, 9.5716,
6.3494

5.0103, 9.0093,
4.0906

6.8093, 9.8677,
7.2911

4.7786, 8.9023,
3.5141

7.5448, 10.2246,
8.3323

4.7423, 8.8855,
3.4276

8.4087, 10.6456,
9.4760

9.4071, 11.1337,
10.7249

■ 10.5457, 11.6917,
12.0817

■ 11.8297, 12.3225,
13.5488

■ 13.2643, 13.0286,
15.1288

■ 14.8541, 13.8123,
16.8241

Harmonies

Analogous

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



6.8648, 9.3322, 3.0341



5.6965, 9.3322, 5.5040



5.3363, 9.3322, 10.5147

Triad

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



5.6965, 9.3322, 5.5040



8.9926, 9.3322, 27.2613



12.8885, 9.3322, 5.1115

Complementary

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



5.6965, 9.3322, 5.5040



6.6647, 4.0318, 6.3887

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.



13.6957, 9.3322, 9.8157



5.6965, 9.3322, 5.5040



11.2320, 9.3322, 23.9925

Square

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



5.6965, 9.3322, 5.5040



7.0445, 9.3322, 24.6175



13.0457, 9.3322, 16.9013



10.9864, 9.3322, 2.8807

Rectangle

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



5.6965, 9.3322, 5.5040



5.5470, 9.3322, 15.2132



13.0457, 9.3322, 16.9013



13.3096, 9.3322, 6.3733

Sweetspot

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



5.6967, 9.3326, 5.5042



15.8879, 19.2181, 18.0600



7.2286, 10.1819, 2.8808



3.7008, 4.5310, 4.1985



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.



5.6967, 9.3326, 5.5042



8.9628, 15.8724, 7.6046



6.8344, 9.7876, 11.4950



2.5817, 2.8714, 2.9574



6.2940, 11.8236, 4.4547



33.2105, 62.9992, 21.6195

Inverse Universe

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



6.6647, 4.0318, 6.3887



10.7869, 5.8231, 9.2269



5.8723, 3.7149, 2.2161



2.6293, 2.6127, 3.0022



7.7203, 3.8630, 5.6468



40.7995, 20.4592, 27.8282

Previews

White Background



This preview shows how the XYZ color 5.6965, 9.3322, 5.5040 looks on a white background.

Color Contrast Check

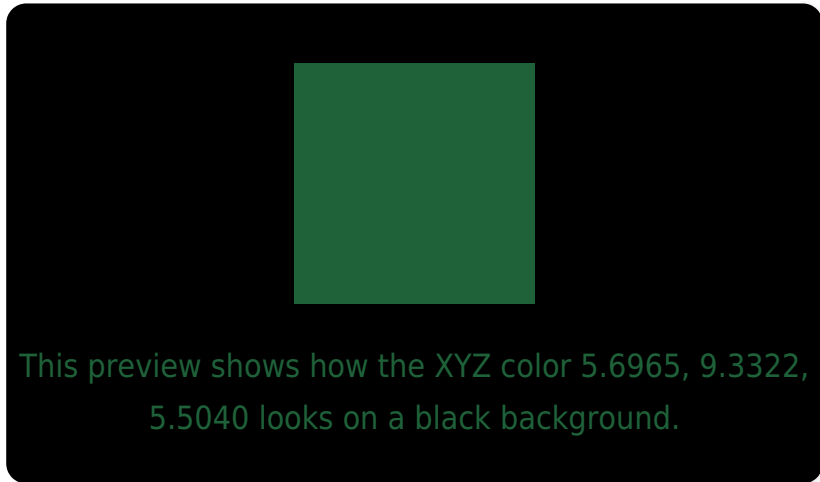
Large Text (above 18pt) WCAG AA ✓ Pass

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 5.6965, 9.3322, 5.5040

Background



This preview shows how black text looks on a background with the XYZ color 5.6965, 9.3322, 5.5040.



This preview shows how white text looks on a background with the XYZ color 5.6965, 9.3322, 5.5040.

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

5.6965, 9.3322, 5.5040

Protanopia

8.5865, 9.2923, 4.7092

Deuteranopia

9.3663, 9.2072, 5.8409



Tritanopia

7.3900, 9.3491, 13.7270

Trichromacy



Original Color

5.6965, 9.3322, 5.5040

Protanomaly

6.9443, 8.9278, 4.9717

Deuteranomaly

7.3125, 8.8529, 5.7382

Tritanomaly

6.6464, 9.3117, 10.0414

Monochromacy



Original Color

5.6965, 9.3322, 5.5040

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.8056, 7.3515, 6.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.6965, 9.3322, 5.5040 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(31, 98, 58)` looks like.

```
.text, #text, p{  
    color:rgb(31, 98, 58)  
}
```

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(31, 98, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 98, 58) }
```

Border

The CSS property to change the border of an element to XYZ 5.6965, 9.3322, 5.5040 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(31, 98, 58) }
```

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

```
.border{ border-color:rgb(31, 98, 58) }
```

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

Here you see how a box with a 4 pixel rgb(31, 98, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 98, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 98, 58);  
box-shadow:4px 4px 4px 4px rgb(31, 98, 58)  
}
```


Background

The CSS property to change the background color of an element to XYZ 5.6965, 9.3322, 5.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 98, 58) }
```

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

```
.background{ background-color: rgb(31, 98,  
58) }
```

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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