

Converting Colors

XYZ(5.5581, 9.6421, 6.3972)

Have a look what the booklet for
XYZ(5.5581, 9.6421, 6.3972)
contains.

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Color

XYZ(5.5791, 9.6775, 6.4244)

Conversions

Conversions Part 1

Format	Color
Hex	006540
RGB	0, 101, 64
RGB Percent	0%, 40%, 25%
CMY	1.0000, 0.6039, 0.7490
CMYK	1.00, 0.00, 0.37, 0.60
HSL	158°, 100%, 20%
HSV	158°, 100%, 40%
XYZ	5.5791, 9.6775, 6.4244
YIQ	66.5830, -48.3190, -32.9190

Conversions

Conversions Part 2

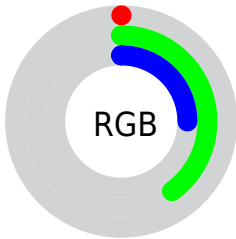
Format	Color
RYB	0, 62, 101
Decimal	25920
CIELab	37.26, -35.24, 13.96
CIELCh	37, 37.905, 158.387
Yxy	9.6775, 0.2573, 0.4464
Android (android.graphics.Color)	4278216000 (0xFF006540)
YUV	66.5830, -1.2734, -58.3933
Hunter-Lab	31.1087, -22.4276, 9.5318

Details

The XYZ color **5.5791, 9.6775, 6.4244** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.7011, 2.9005, 2.0101**, and the grayscale version is **5.2772, 5.5520, 6.0461**.

A 20% lighter version of the original color is **16.8417, 25.2544, 19.3162**, and **1.4085, 2.6003, 1.1372** is the 20% darker color. If you saturate the color by 10%, you get **5.5792, 9.6778, 6.4243**, and if you desaturate by 10%, it is **5.8146, 9.7866, 7.0037**.

Distribution



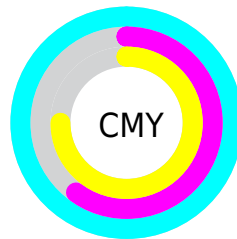
- Red (0%)
- Green (40%)
- Blue (25%)



- Red (0%)
- Yellow (24%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.5791, 9.6775, 6.4244 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 5.5791, 9.6775, 6.4244 by changing the saturation by 10% instead.

■ 5.5791, 9.6775,
6.4244

■ 5.5791, 9.6775,
6.4244

150.0906,
188.3546, 172.2366

■ 2.6291, 5.1857,
3.0319

■ 16.7857, 25.1871,
19.2983

■ 0.9608, 2.3566,
1.1109

■ 25.7731, 36.9737,
29.6167

■ 0.0000, 0.8034,
0.0000

■ 37.5035, 51.9606,
43.0809

■ 0.0000, 0.0000,
0.0000

■ 52.3425, 70.5323,
60.1094

■ 70.6554, 93.0732,
81.1206

■ 92.8074, 119.9676,

106.5332

■ 119.1641,
151.5999, 136.7657

■ 5.5791, 9.6775,
6.4244

■ 5.5791, 9.6775,
6.4244

■ 5.5792, 9.6778,
6.4243

■ 5.8146, 9.7866,
7.0037

■ 6.0968, 9.9187,
7.6222

■ 6.4717, 10.0977,
8.2829

■ 6.9489, 10.3286,
8.9868

■ 7.5365, 10.6156,
9.7351

■ 8.2421, 10.9625,
10.5285

■ 9.0722, 11.3727,
11.3682

■ 10.0333, 11.8495,
12.2549

■ 11.1309, 12.3958,
13.1896

Harmonies

Analogous

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



6.6490, 9.6775, 3.2613



5.5791, 9.6775, 6.4244



5.3867, 9.6775, 12.5574

Triad

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



5.5791, 9.6775, 6.4244



9.8789, 9.6775, 29.4368



13.2519, 9.6775, 4.3336

Complementary

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



5.5791, 9.6775, 6.4244



5.7011, 2.9005, 2.0101

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.



14.4823, 9.6775, 8.7461



5.5791, 9.6775, 6.4244



12.3276, 9.6775, 24.4323

Square

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



5.5791, 9.6775, 6.4244



7.6199, 9.6775, 27.9206



14.1178, 9.6775, 16.1116



10.9806, 9.6775, 2.4656

Rectangle

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



5.5791, 9.6775, 6.4244



5.7437, 9.6775, 18.0383



14.1178, 9.6775, 16.1116



13.8172, 9.6775, 5.4711

Sweetspot

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



5.5794, 9.6779, 6.4246



15.4454, 19.4598, 19.3909



5.4182, 9.7017, 1.5872



3.6909, 4.7340, 4.6632



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



5.5794, 9.6779, 6.4246



9.5278, 16.5940, 10.7646



5.8008, 7.8431, 13.5205



2.8632, 3.1690, 3.3811



7.2953, 12.6817, 8.3165



37.6178, 65.9697, 41.1049

Inverse Universe

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



5.7011, 2.9005, 2.0101



9.7398, 4.9603, 3.2021



5.5171, 3.0669, 0.3013



2.8671, 2.8615, 3.1725



7.4560, 3.7954, 2.5338



38.4965, 19.6386, 11.1578

Previews

White Background



This preview shows how the XYZ color 5.5791, 9.6775, 6.4244 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



This preview shows how the XYZ color 5.5791, 9.6775, 6.4244 looks on a 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 5.5791, 9.6775, 6.4244

Background



This preview shows how black text looks on a background with the XYZ color 5.5791, 9.6775, 6.4244.



This preview shows how white text looks on a background with the XYZ color 5.5791, 9.6775, 6.4244.

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

5.5791, 9.6775, 6.4244

Protanopia

8.9728, 9.7178, 5.4058

Deuteranopia

9.8072, 9.6416, 6.8130



Tritanopia

7.4091, 9.7403, 14.5863

Trichromacy



Original Color

5.5791, 9.6775, 6.4244

Protanomaly

6.5934, 9.1156, 5.6869

Deuteranomaly

6.9161, 8.8758, 6.6589

Tritanomaly

6.5242, 9.6388, 10.9678

Monochromacy



Original Color

5.5791, 9.6775, 6.4244

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

4.7756, 6.4989, 6.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.5791, 9.6775, 6.4244 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(0, 101, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 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(0, 101, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 64) }
```

Border

The CSS property to change the border of an element to XYZ 5.5791, 9.6775, 6.4244 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(0, 101, 64) }
```

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

```
.border{ border-color:rgb(0, 101, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 64)  
}
```


Background

The CSS property to change the background color of an element to XYZ 5.5791, 9.6775, 6.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 64) }
```

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

```
.background{ background-color: rgb(0, 101,  
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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