

Converting Colors

XYZ(8.3037, 13.6910, 6.0749)

Have a look what the booklet for
XYZ(8.3037, 13.6910, 6.0749)
contains.

XYZ(8.2721, 13.6223, 6.0643)	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(8.2721, 13.6223,
6.0643)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7539
RGB	47, 117, 57
RGB Percent	18%, 46%, 22%
CMY	0.8157, 0.5412, 0.7765
CMYK	0.60, 0.00, 0.51, 0.54
HSL	129°, 43%, 32%
HSV	129°, 60%, 46%
XYZ	8.2721, 13.6223, 6.0643
YIQ	89.2300, -22.4600, -33.5000

Conversions

Conversions Part 2

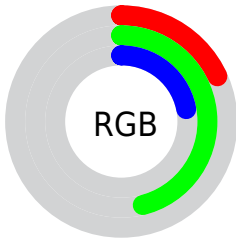
Format	Color
RYB	47, 108, 117
Decimal	3110201
CIELab	43.69, -35.69, 26.53
CIELCh	44, 44.469, 143.375
Yxy	13.6223, 0.2959, 0.4872
Android (android.graphics.Color)	4281300281 (0xFF2F7539)
YUV	89.2300, -15.8894, -37.0357
Hunter-Lab	36.9084, -24.5834, 16.0941

Details

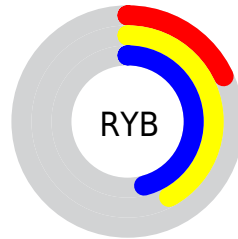
The XYZ color **8.2721, 13.6223, 6.0643** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **11.0069, 6.8767, 14.6575**, and the grayscale version is **9.5845, 10.0836, 10.9811**.

A 20% lighter version of the original color is **22.1801, 32.4787, 18.4646**, and **2.1275, 4.1584, 1.0071** is the 20% darker color. If you saturate the color by 10%, you get **7.5775, 13.2907, 4.8525**, and if you desaturate by 10%, it is **9.1615, 14.0494, 7.5439**.

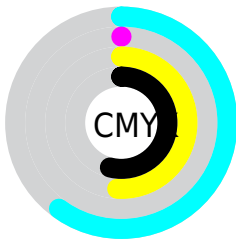
Distribution



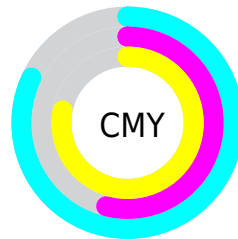
- Red (18%)
- Green (46%)
- Blue (22%)



- Red (18%)
- Yellow (42%)
- Blue (46%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (54%)





- Cyan (82%)
- Magenta (54%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.2721, 13.6223, 6.0643 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 8.2721, 13.6223, 6.0643 by changing the saturation by 10% instead.


 8.2721, 13.6223,
6.0643


 8.2721, 13.6223,
6.0643

172.1756,
214.8683, 168.9696


 4.3228, 7.8584,
2.8148


 22.1705, 32.4173,
18.5442

 1.8863, 4.0045,
1.0009

 32.8503, 46.2173,
28.6116


 0.5689, 1.6761,
0.0000

 46.5044, 63.4648,
41.7888

 0.0000, 0.4081,
0.0000

 63.4981, 84.5441,
58.4943

 0.0000, 0.0000,
0.0000

 84.1966, 109.8398,
79.1465

 108.9655,

139.7361, 104.1642

138.1700,
174.6175, 133.9657

■ 8.2721, 13.6223,
6.0643

■ 8.2721, 13.6223,
6.0643

■ 7.5775, 13.2907,
4.8525

■ 9.1615, 14.0494,
7.5439

■ 7.0619, 13.0456,
3.8916

■ 10.2580, 14.5768,
9.3051

■ 6.7086, 12.8793,
3.1642

■ 11.5739, 15.2110,
11.3616

■ 6.4643, 12.7645,
2.6488

■ 13.1204, 15.9575,
13.7263

■ 6.4605, 12.7627,
2.6417

■ 14.9079, 16.8214,
16.4111

■ 16.9460, 17.8075,
19.4272

■ 19.2439, 18.9202,
22.7855

■ 21.8105, 20.1638,
26.4963

■ 24.6541, 21.5425,
30.5694

Harmonies

Analogous

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



10.4623, 13.6223, 3.2575



8.2721, 13.6223, 6.0643



7.3579, 13.6223, 12.7228

Triad

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



8.2721, 13.6223, 6.0643



12.1884, 13.6223, 43.3042



20.1401, 13.6223, 8.4366

Complementary

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



8.2721, 13.6223, 6.0643



11.0069, 6.8767, 14.6575

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.



20.8274, 13.6223, 17.1631



8.2721, 13.6223, 6.0643



15.7983, 13.6223, 40.4097

Square

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



8.2721, 13.6223, 6.0643



9.3410, 13.6223, 36.2351



19.1181, 13.6223, 29.5149



17.3802, 13.6223, 4.1336

Rectangle

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



8.2721, 13.6223, 6.0643



7.4525, 13.6223, 19.7399



19.1181, 13.6223, 29.5149



20.6395, 13.6223, 10.8141

Sweetspot

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



8.2724, 13.6229, 6.0646



23.9047, 28.7726, 25.2004



13.0188, 16.0957, 5.1100



5.3342, 6.5371, 5.5488



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.2724, 13.6229, 6.0646



13.1593, 23.6040, 7.9430



9.4367, 14.0886, 12.1955



3.6600, 4.1060, 4.0434



7.1138, 14.0595, 2.8893



34.4685, 68.4346, 13.0379

Inverse Universe

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



11.0069, 6.8767, 14.6575



18.5291, 10.3021, 24.7774



9.5446, 6.2918, 6.9572



3.8052, 3.7494, 4.5011



10.6281, 5.1850, 13.7818



51.5513, 25.1707, 65.8920

Previews

White Background



This preview shows how the XYZ color 8.2721, 13.6223, 6.0643 looks on a white background.

Color Contrast Check

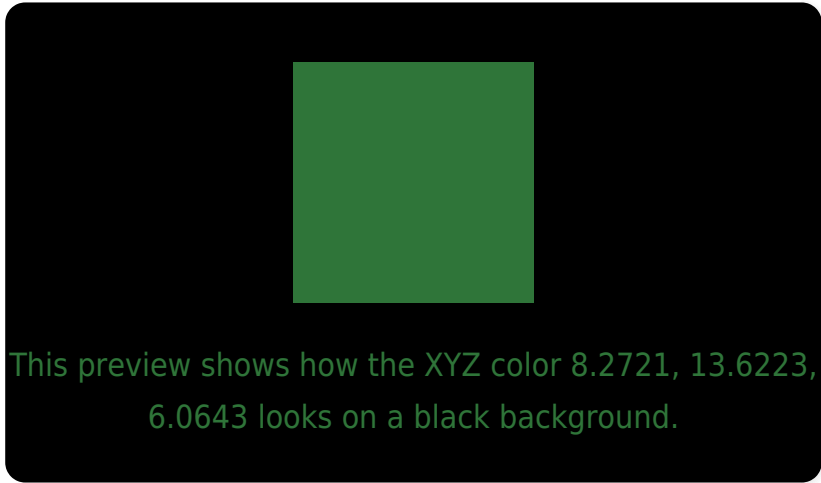
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 8.2721, 13.6223, 6.0643

Background



This preview shows how black text looks on a background with the XYZ color 8.2721, 13.6223, 6.0643.



This preview shows how white text looks on a background with the XYZ color 8.2721, 13.6223,

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

8.2721, 13.6223, 6.0643

Protanopia

12.2801, 13.4591, 5.1995

Deuteranopia

13.6946, 13.4431, 6.4304



Tritanopia

10.9556, 13.5405, 19.4889

Trichromacy



Original Color

8.2721, 13.6223, 6.0643

Protanomaly

10.1482, 13.1153, 5.4867

Deuteranomaly

10.7970, 12.9708, 6.2095

Tritanomaly

9.7038, 13.5246, 13.1654

Monochromacy



Original Color

8.2721, 13.6223, 6.0643

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.6254, 10.9153, 8.6734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2721, 13.6223, 6.0643 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(47, 117, 57)` looks like.

```
.text, #text, p{  
    color:rgb(47, 117, 57)  
}
```

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(47, 117, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 117, 57) }
```

Border

The CSS property to change the border of an element to XYZ 8.2721, 13.6223, 6.0643 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(47, 117, 57) }
```


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

```
.border{ border-color:rgb(47, 117, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 117, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 117, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 117, 57);  
box-shadow:4px 4px 4px 4px rgb(47, 117,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 8.2721, 13.6223, 6.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 117, 57) }
```

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

```
.background{ background-color: rgb(47, 117,  
57) }
```

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