

Converting Colors

XYZ(15.9357, 13.0195, 50.6230)

Have a look what the booklet for
XYZ(15.9357, 13.0195, 50.6230)
contains.

XYZ(15.8955, 13.0627, 50.3988)	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(15.8955, 13.0627,
50.3988)**

Conversions

Conversions Part 1

Format	Color
Hex	475EBE
RGB	71, 94, 190
RGB Percent	28%, 37%, 75%
CMY	0.7215, 0.6314, 0.2549
CMYK	0.63, 0.51, 0.00, 0.25
HSL	228°, 48%, 51%
HSV	228°, 63%, 75%
XYZ	15.8955, 13.0627, 50.3988
YIQ	98.0670, -44.5240, 24.9800

Conversions

Conversions Part 2

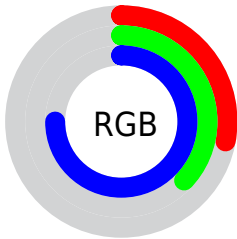
Format	Color
R_{YB}	71, 90, 190
Decimal	4677310
CIE Lab	42.86, 21.78, -53.23
CIE LCh	43, 57.514, 292.251
Yxy	13.0627, 0.2003, 0.1646
Android (android.graphics.Color)	4282867390 (0xFF475EBE)
YUV	98.0670, 45.3230, -23.7378
Hunter-Lab	36.1424, 15.2556, -57.3774

Details

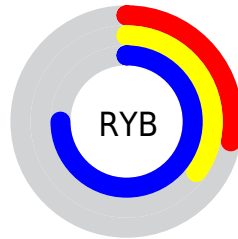
The XYZ color **15.8955, 13.0627, 50.3988** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **36.1927, 39.0420, 11.5906**, and the grayscale version is **11.5255, 12.1257, 13.2049**.

A 20% lighter version of the original color is **35.9677, 31.4077, 92.1623**, and **5.5422, 3.9742, 23.7675** is the 20% darker color. If you saturate the color by 10%, you get **13.4832, 9.9927, 49.9337**, and if you desaturate by 10%, it is **19.0152, 16.8994, 50.9752**.

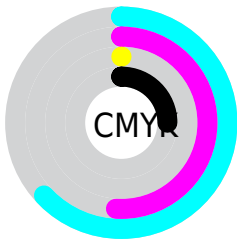
Distribution



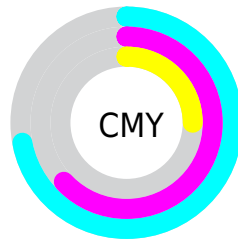
- Red (28%)
- Green (37%)
- Blue (75%)



- Red (28%)
- Yellow (35%)
- Blue (75%)



- Cyan (63%)
- Magenta (51%)
- Yellow (0%)
- Black (25%)



- Cyan (72%)
- Magenta (63%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8955, 13.0627, 50.3988 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 15.8955, 13.0627, 50.3988 by changing the saturation by 10% instead.

■ 15.8955, 13.0627,
50.3988

■ 15.8955, 13.0627,
50.3988

222.0068,
211.3191, 405.0031

■ 9.5406, 7.4717,
35.3570

■ 35.9756, 31.4164,
92.1679

■ 5.1554, 3.7588,
23.6522

■ 50.4315, 44.9479,
119.7322

■ 2.3744, 1.5396,
14.8660

■ 68.3185, 61.8950,
152.3077

■ 0.8323, 0.3164,
8.5798

■ 90.0019, 82.6422,
190.3131

■ 0.0000, 0.0000,
4.3751

■ 115.8471,
107.5738, 234.1667

■ 0.0000, 0.0000,
1.8333

146.2194,

■ 0.0000, 0.0000,

137.0742, 284.2873

0.4498

181.4842,
171.5279, 341.0932

■ 0.0000, 0.0000,
0.0000

■ 15.8955, 13.0627,
50.3988

■ 15.8955, 13.0627,
50.3988

■ 13.4832, 9.9927,
49.9337

■ 19.0152, 16.8994,
50.9752

■ 11.7183, 7.6344,
49.5715

■ 22.8922, 21.5501,
51.6686

■ 10.5331, 5.9263,
49.3043

■ 27.5735, 27.0596,
52.4853

■ 9.9471, 5.0232,
49.1608

■ 33.1019, 33.4690,
53.4310

■ 39.5172, 40.8167,
54.5112

■ 46.8565, 49.1388,
55.7307

■ 55.1547, 58.4695,
57.0943

■ 64.4451, 68.8413,
58.6066

■ 74.7592, 80.2854,
60.2719

Harmonies

Analogous

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



11.3116, 13.0627, 54.1610



15.8955, 13.0627, 50.3988



20.3607, 13.0627, 34.7590

Triad

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



15.8955, 13.0627, 50.3988



18.3358, 13.0627, 2.3905



5.7875, 13.0627, 11.2052

Complementary

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



15.8955, 13.0627, 50.3988



36.1927, 39.0420, 11.5906

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.



6.8643, 13.0627, 3.9609



15.8955, 13.0627, 50.3988



13.5894, 13.0627, 1.1986

Square

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



15.8955, 13.0627, 50.3988



21.9854, 13.0627, 6.8904



9.4849, 13.0627, 1.5286



6.1256, 13.0627, 25.4862

Rectangle

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



15.8955, 13.0627, 50.3988



22.3192, 13.0627, 22.9423



9.4849, 13.0627, 1.5286



5.9850, 13.0627, 8.0513

Sweetspot

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



15.8961, 13.0631, 50.3991



63.6639, 64.8798, 97.4467



27.9140, 40.9276, 42.6021



13.2729, 13.4343, 21.2788



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



15.8961, 13.0631, 50.3991



23.1573, 16.4326, 90.2304



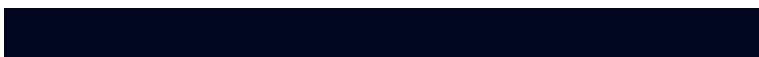
17.5759, 11.3325, 49.9766



9.1618, 9.5158, 12.0261



6.6585, 3.4288, 32.7038



0.3063, 0.2252, 1.2962

Inverse Universe

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



25.5094, 16.2627, 12.3844



42.3849, 24.1414, 13.9034



32.9352, 44.1819, 12.7544



9.6035, 9.5657, 10.3011



14.3617, 7.3758, 1.9323



0.5855, 0.2981, 0.1965

Previews

White Background



This preview shows how the XYZ color 15.8955, 13.0627, 50.3988 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



This preview shows how the XYZ color 15.8955, 13.0627, 50.3988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

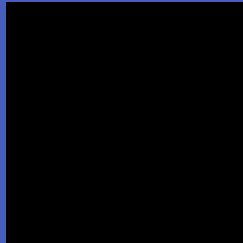
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8955, 13.0627, 50.3988

Background



This preview shows how black text looks on a background with the XYZ color 15.8955, 13.0627, 50.3988.



This preview shows how white text looks on a background with the XYZ color 15.8955, 13.0627,

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

15.8955, 13.0627, 50.3988

Protanopia

15.1875, 13.1883, 52.7841

Deuteranopia

13.1907, 13.0367, 45.5372



Tritanopia

9.7018, 13.0483, 19.7765

Trichromacy



Original Color

15.8955, 13.0627, 50.3988

Protanomaly

15.4217, 13.1839, 52.1840

Deuteranomaly

13.6349, 12.7946, 47.0984

Tritanomaly

11.3347, 12.7518, 28.6520

Monochromacy



Original Color

15.8955, 13.0627, 50.3988

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.3959, 12.2628, 23.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8955, 13.0627, 50.3988 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(71, 94, 190)` looks like.

```
.text, #text, p{  
    color:rgb(71, 94, 190)  
}
```

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(71, 94, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 94, 190) }
```

Border

The CSS property to change the border of an element to XYZ 15.8955, 13.0627, 50.3988 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(71, 94, 190) }
```


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

```
.border{ border-color:rgb(71, 94, 190) }
```

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

Here you see how a box with a 4 pixel rgb(71, 94, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 94, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 94, 190);  
box-shadow:4px 4px 4px 4px rgb(71, 94,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8955, 13.0627, 50.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 94, 190) }
```

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

```
.background{ background-color: rgb(71, 94,  
190) }
```

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