

Converting Colors

XYZ(13.0945, 10.5890, 35.5361)

Have a look what the booklet for
XYZ(13.0945, 10.5890, 35.5361)
contains.

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Color

**XYZ(13.0945, 10.5890,
35.5361)**

Conversions

Conversions Part 1

Format	Color
Hex	5253A2
RGB	82, 83, 162
RGB Percent	32%, 33%, 64%
CMY	0.6784, 0.6745, 0.3647
CMYK	0.49, 0.49, 0.00, 0.36
HSL	239°, 33%, 48%
HSV	239°, 49%, 64%
XYZ	13.0945, 10.5890, 35.5361
YIQ	91.7070, -25.9550, 24.3570

Conversions

Conversions Part 2

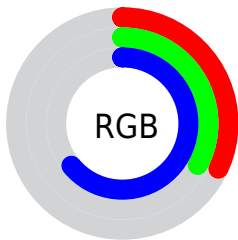
Format	Color
R _Y B	82, 83, 162
Decimal	5395362
CIE Lab	38.88, 21.69, -43.08
CIE LCh	39, 48.232, 296.723
Yxy	10.5890, 0.2211, 0.1788
Android (android.graphics.Color)	4283585442 (0xFF5253A2)
YUV	91.7070, 34.6544, -8.5130
Hunter-Lab	32.5407, 14.8827, -41.9691

Details

The XYZ color **13.0945, 10.5890, 35.5361** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **29.1688, 33.7812, 12.9664**, and the grayscale version is **10.0331, 10.5556, 11.4950**.

A 20% lighter version of the original color is **30.9290, 26.7465, 69.1781**, and **3.8843, 2.7062, 15.0695** is the 20% darker color. If you saturate the color by 10%, you get **10.7625, 7.7748, 35.1160**, and if you desaturate by 10%, it is **16.0424, 14.1402, 36.0664**.

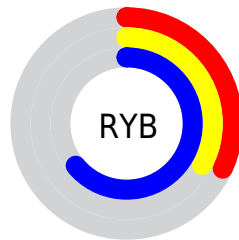
Distribution



Red (32%)

Green (33%)

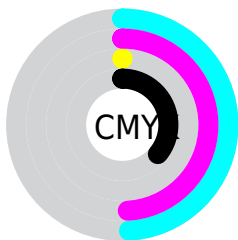
Blue (64%)



Red (32%)

Yellow (33%)

Blue (64%)

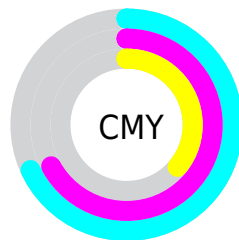


Cyan (49%)

Magenta (49%)

Yellow (0%)

Black (36%)



Cyan (68%)

Magenta (67%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0945, 10.5890, 35.5361 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 13.0945, 10.5890, 35.5361 by changing the saturation by 10% instead.

■ 13.0945, 10.5890,
35.5361

■ 13.0945, 10.5890,
35.5361

205.1478,
194.8257, 341.9042

■ 7.5711, 5.7912,
23.7893

■ 31.0733, 26.8976,
69.4764

■ 3.8712, 2.7185,
14.9666

■ 44.2595, 39.1772,
92.5070

■ 1.6295, 0.9866,
8.6496

■ 60.7306, 54.7195,
120.1359

■ 0.4115, 0.0000,
4.4197

■ 80.8520, 73.9090,
152.7816

■ 0.0000, 0.0000,
1.8583

■ 104.9890, 97.1299,
190.8628

■ 0.0000, 0.0000,
0.4660

133.5071,

■ 0.0000, 0.0000,

124.7667, 234.7980

0.0000

166.7716,
157.2039, 285.0056

■ 13.0945, 10.5890,
35.5361

■ 13.0945, 10.5890,
35.5361

■ 10.7625, 7.7748,
35.1160

■ 16.0424, 14.1402,
36.0664

■ 9.0016, 5.6448,
34.7977

■ 19.6441, 18.4740,
36.7131

■ 7.7631, 4.1412,
34.5728

■ 23.9360, 23.6336,
37.4828

■ 6.9895, 3.1958,
34.4311

■ 28.9517, 29.6588,
38.3814

■ 6.5669, 2.6805,
34.3539

■ 34.7222, 36.5867,
39.4145

■ 6.5436, 2.6525,
34.3497

■ 41.2770, 44.4524,
40.5872

■ 48.6439, 53.2889,
41.9046

■ 56.8494, 63.1279,
43.3712

■ 65.9187, 73.9993,
44.9916

Harmonies

Analogous

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



9.7167, 10.5890, 39.6099



13.0945, 10.5890, 35.5361



16.1386, 10.5890, 24.1617

Triad

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



13.0945, 10.5890, 35.5361



13.8344, 10.5890, 2.1787



5.0845, 10.5890, 10.5508

Complementary

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



13.0945, 10.5890, 35.5361



29.1688, 33.7812, 12.9664

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.



5.7451, 10.5890, 4.3090



13.0945, 10.5890, 35.5361



10.4206, 10.5890, 1.3655

Square

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



13.0945, 10.5890, 35.5361



16.6256, 10.5890, 5.2797



7.5422, 10.5890, 1.8634



5.5064, 10.5890, 21.4143

Rectangle

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



13.0945, 10.5890, 35.5361



17.3241, 10.5890, 16.0713



7.5422, 10.5890, 1.8634



5.1831, 10.5890, 7.9360

Sweetspot

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



13.0949, 10.5894, 35.5364



47.0208, 47.1906, 68.6866



22.8041, 30.1963, 38.1911



10.1616, 10.1194, 15.3552



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.0949, 10.5894, 35.5364



19.2664, 13.7858, 63.7016



17.3780, 12.6848, 35.7151



6.7072, 6.8734, 8.8763



5.1576, 2.0945, 27.0622



0.1104, 0.0480, 0.5693

Inverse Universe

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



19.4793, 14.3411, 9.9253



32.2160, 21.4355, 11.7448



22.6599, 30.6858, 12.7120



7.0772, 7.0873, 7.3929



11.7488, 6.0556, 0.6017



0.2479, 0.1276, 0.0180

Previews

White Background



This preview shows how the XYZ color 13.0945, 10.5890, 35.5361 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 13.0945, 10.5890, 35.5361 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 13.0945, 10.5890, 35.5361

Background



This preview shows how black text looks on a background with the XYZ color 13.0945, 10.5890, 35.5361.



This preview shows how white text looks on a background with the XYZ color 13.0945, 10.5890,

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

13.0945, 10.5890, 35.5361

Protanopia

12.0055, 10.6757, 38.4736

Deuteranopia

10.9527, 10.7241, 34.7504



Tritanopia

8.9534, 10.6727, 14.6848

Trichromacy



Original Color

13.0945, 10.5890, 35.5361

Protanomaly

12.2777, 10.5937, 37.4741

Deuteranomaly

11.4216, 10.4480, 35.1329

Tritanomaly

10.1274, 10.4746, 20.8901

Monochromacy



Original Color

13.0945, 10.5890, 35.5361

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.8078, 10.5038, 18.2874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0945, 10.5890, 35.5361 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(82, 83, 162)` looks like.

```
.text, #text, p{  
    color:rgb(82, 83, 162)  
}
```

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(82, 83, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 83, 162) }
```

Border

The CSS property to change the border of an element to XYZ 13.0945, 10.5890, 35.5361 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(82, 83, 162) }
```


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

```
.border{ border-color:rgb(82, 83, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 83, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 83, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 83, 162);  
box-shadow:4px 4px 4px 4px rgb(82, 83,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0945, 10.5890, 35.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 83, 162) }
```

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

```
.background{ background-color: rgb(82, 83,  
162) }
```

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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