

Converting Colors

XYZ(13.6757, 6.0555, 45.5759)

Have a look what the booklet for
XYZ(13.6757, 6.0555, 45.5759)
contains.

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Color

**XYZ(13.6887, 6.0574,
45.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	6200B8
RGB	98, 0, 184
RGB Percent	38%, 0%, 72%
CMY	0.6157, 1.0000, 0.2784
CMYK	0.47, 1.00, 0.00, 0.28
HSL	272°, 100%, 36%
HSV	272°, 100%, 72%
XYZ	13.6887, 6.0574, 45.7951
YIQ	50.2780, -0.6560, 78.0000

Conversions

Conversions Part 2

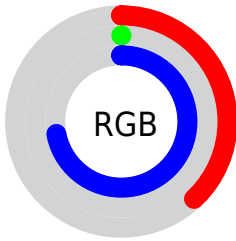
Format	Color
R _Y B	98, 0, 184
Decimal	6422712
CIE Lab	29.56, 65.72, -71.30
CIE LCh	30, 96.970, 312.668
Yxy	6.0574, 0.2089, 0.0924
Android (android.graphics.Color)	4284612792 (0xFF6200B8)
YUV	50.2780, 65.9249, 41.8522
Hunter-Lab	24.6118, 56.2084, -93.0925

Details

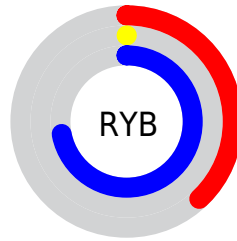
The XYZ color **13.6887, 6.0574, 45.7951** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **20.9780, 36.2594, 5.8931**, and the grayscale version is **2.9911, 3.1468, 3.4269**.

A 20% lighter version of the original color is **32.0350, 18.0254, 85.0099**, and **4.5275, 1.8763, 20.8924** is the 20% darker color. If you saturate the color by 10%, you get **13.6891, 6.0576, 45.7953**, and if you desaturate by 10%, it is **14.8904, 7.0076, 45.9153**.

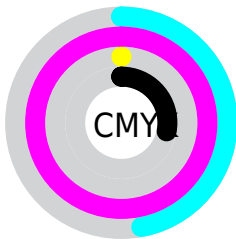
Distribution



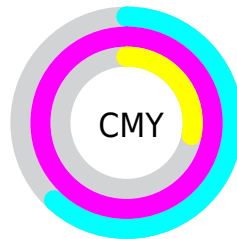
- Red (38%)
- Green (0%)
- Blue (72%)



- Red (38%)
- Yellow (0%)
- Blue (72%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (62%)
- Magenta (100%)
- Yellow (28%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6887, 6.0574, 45.7951 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 13.6887, 6.0574, 45.7951 by changing the saturation by 10% instead.

13.6887, 6.0574,
45.7951

13.6887, 6.0574,
45.7951

208.8351,
159.5843, 386.2379

7.9847, 2.8800,
31.7367

32.1265, 18.0501,
85.2433

4.1369, 1.0694,
20.8973

45.5911, 27.6342,
111.4702

1.7799, 0.0000,
12.8584

62.3733, 40.1227,
142.5903

0.5055, 0.0000,
7.2016

82.8384, 55.8999,
179.0221

0.0000, 0.0000,
3.5081

107.3517, 75.3503,
221.1842

0.0000, 0.0000,
1.3596

136.2787, 98.8582,

0.0000, 0.0000,

269.4952


0.1099

 169.9848,
126.8081, 324.3736


 0.0000, 0.0000,
0.0000


 13.6887, 6.0574,
45.7951


 13.6887, 6.0574,
45.7951


 13.6891, 6.0576,
45.7953

 14.8904, 7.0076,
45.9153

 16.4040, 8.4300,
46.1101

 18.3111, 10.4825,
46.4058

 20.6526, 13.2430,
46.8152

 23.4637, 16.7779,
47.3493

■ 26.7754, 21.1454,
48.0178

■ 30.6159, 26.3981,
48.8293

■ 35.0109, 32.5843,
49.7917

■ 39.9847, 39.7484,
50.9123

Harmonies

Analogous

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



7.8377, 6.0574, 70.6608



13.6887, 6.0574, 45.7951



18.3407, 6.0574, 16.8773

Triad

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



13.6887, 6.0574, 45.7951



8.6905, 6.0574, 0.0000



0.8005, 6.0574, 13.5336

Complementary

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



13.6887, 6.0574, 45.7951



20.9780, 36.2594, 5.8931

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.



0.8504, 6.0574, 1.6666



13.6887, 6.0574, 45.7951



4.0822, 6.0574, 0.0000

Square

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



13.6887, 6.0574, 45.7951



14.5818, 6.0574, 0.0000



1.6955, 6.0574, 0.0000



1.4874, 6.0574, 40.8669

Rectangle

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



13.6887, 6.0574, 45.7951



19.1714, 6.0574, 5.5226



1.6955, 6.0574, 0.0000



0.7454, 6.0574, 7.7991

Sweetspot

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



13.6891, 6.0576, 45.7953



55.1264, 47.3361, 88.4359



12.2186, 10.5944, 46.7485



11.2350, 9.3102, 18.9265



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



13.6891, 6.0576, 45.7953



24.5362, 10.8371, 83.0032



28.1009, 13.5238, 44.8096



8.9655, 8.9486, 11.3342



9.5168, 4.2173, 31.5655



0.4062, 0.1851, 1.1161

Inverse Universe

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



21.4468, 10.8622, 9.7697



38.7597, 19.6433, 17.0866



17.1573, 34.2878, 5.8020



9.1746, 9.0802, 10.2668



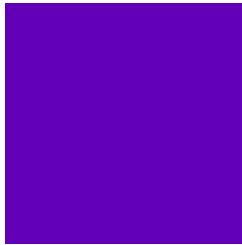
14.8161, 7.5002, 6.9181



0.5536, 0.2769, 0.4088

Previews

White Background



This preview shows how the XYZ color 13.6887, 6.0574, 45.7951 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

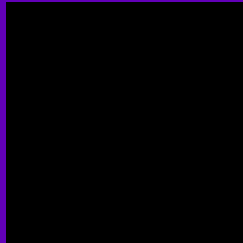
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6887, 6.0574, 45.7951

Background



This preview shows how black text looks on a background with the XYZ color 13.6887, 6.0574, 45.7951.



This preview shows how white text looks on a background with the XYZ color 13.6887, 6.0574,

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

13.6887, 6.0574, 45.7951

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2147, 6.4039, 20.6472



Tritanopia

6.2555, 6.5101, 7.9481

Trichromacy



Original Color

13.6887, 6.0574, 45.7951

Protanomaly

8.0111, 4.7899, 33.7600

Deuteranomaly

7.0105, 4.5147, 28.1057

Tritanomaly

7.5227, 4.9643, 17.0847

Monochromacy



Original Color

13.6887, 6.0574, 45.7951

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.0834, 3.1272, 12.1401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6887, 6.0574, 45.7951 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(98, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 184)  
}
```

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(98, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 13.6887, 6.0574, 45.7951 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(98, 0, 184) }
```


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

```
.border{ border-color:rgb(98, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(98, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 184)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6887, 6.0574, 45.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 184) }
```

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

```
.background{ background-color: rgb(98, 0,  
184) }
```

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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