

Converting Colors

XYZ(13.0506, 6.2611, 43.7009)

Have a look what the booklet for
XYZ(13.0506, 6.2611, 43.7009)
contains.

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Color

**XYZ(13.0791, 6.2757,
43.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	5D18B4
RGB	93, 24, 180
RGB Percent	36%, 9%, 71%
CMY	0.6353, 0.9059, 0.2941
CMYK	0.48, 0.87, 0.00, 0.29
HSL	267°, 76%, 40%
HSV	267°, 87%, 71%
XYZ	13.0791, 6.2757, 43.7020
YIQ	62.4150, -8.9520, 63.1440

Conversions

Conversions Part 2

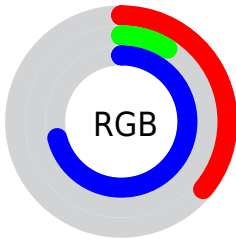
Format	Color
R_{YB}	93, 24, 180
Decimal	6101172
CIE _{Lab}	30.10, 59.44, -68.05
CIE _{LCh}	30, 90.355, 311.136
Yxy	6.2757, 0.2074, 0.0995
Android (android.graphics.Color)	4284291252 (0xFF5D18B4)
YUV	62.4150, 57.9694, 26.8230
Hunter-Lab	25.0513, 49.3535, -85.8953

Details

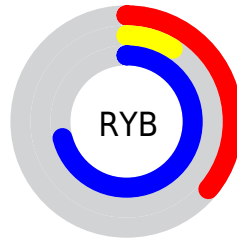
The XYZ color **13.0791, 6.2757, 43.7020** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **23.0408, 36.0876, 6.6152**, and the grayscale version is **4.5585, 4.7959, 5.2227**.

A 20% lighter version of the original color is **31.1036, 18.5271, 82.0575**, and **4.1668, 1.7130, 19.8497** is the 20% darker color. If you saturate the color by 10%, you get **11.8677, 5.2630, 43.5705**, and if you desaturate by 10%, it is **14.6645, 7.8371, 43.9200**.

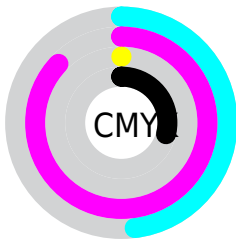
Distribution



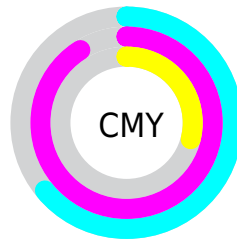
- Red (36%)
- Green (9%)
- Blue (71%)



- Red (36%)
- Yellow (9%)
- Blue (71%)



- Cyan (48%)
- Magenta (87%)
- Yellow (0%)
- Black (29%)



- Cyan (64%)
- Magenta (91%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0791, 6.2757, 43.7020 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 13.0791, 6.2757, 43.7020 by changing the saturation by 10% instead.

13.0791, 6.2757,
43.7020

13.0791, 6.2757,
43.7020

205.0514,
161.5020, 377.4965

7.5604, 3.0134,
30.1008

31.0459, 18.5005,
82.0668

3.8644, 1.1388,
19.6624

44.2248, 28.2319,
107.6676

1.6257, 0.0108,
11.9683

60.6877, 40.8884,
138.1052

0.4091, 0.0000,
6.5998

80.8001, 56.8544,
173.7984

0.0000, 0.0000,
3.1385

104.9273, 76.5144,
215.1655

0.0000, 0.0000,
1.1658

133.4347,

0.0000, 0.0000,

100.2527, 262.6253

0.0000

166.6876,
128.4538, 316.5961

13.0791, 6.2757,
43.7020

13.0791, 6.2757,
43.7020

11.8677, 5.2630,
43.5705

14.6645, 7.8371,
43.9200

11.5147, 4.9844,
43.5354

16.6743, 10.0428,
44.2398

19.1477, 12.9634,
44.6732

22.1184, 16.6598,
45.2301

25.6165, 21.1863,
45.9194

■ 29.6698, 26.5920,
46.7492

■ 34.3036, 32.9222,
47.7268

■ 39.5420, 40.2189,
48.8591

■ 45.4072, 48.5217,
50.1526

Harmonies

Analogous

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



7.6786, 6.2757, 64.6875



13.0791, 6.2757, 43.7020



17.4539, 6.2757, 17.4768

Triad

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



13.0791, 6.2757, 43.7020



9.0016, 6.2757, 0.0000



1.0133, 6.2757, 12.3950

Complementary

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



13.0791, 6.2757, 43.7020



23.0408, 36.0876, 6.6152

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.



1.1028, 6.2757, 1.7285



13.0791, 6.2757, 43.7020



4.5272, 6.2757, 0.0000

Square

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



13.0791, 6.2757, 43.7020



14.4320, 6.2757, 0.0000



2.0534, 6.2757, 0.0000



1.6956, 6.2757, 36.4882

Rectangle

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



13.0791, 6.2757, 43.7020



18.3600, 6.2757, 6.3813



2.0534, 6.2757, 0.0000



0.9675, 6.2757, 7.3058

Sweetspot

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



13.0795, 6.2759, 43.7022



53.9734, 48.4545, 84.8026



14.4532, 15.1661, 45.3458



11.0984, 9.7095, 18.2114



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



13.0795, 6.2759, 43.7022



20.6204, 8.9046, 78.9266



25.0561, 12.4500, 44.2627



8.3868, 8.4079, 10.6872



8.1113, 3.5173, 30.3884



0.3227, 0.1454, 0.9593

Inverse Universe

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



22.0179, 11.5040, 16.0969



38.2139, 19.2281, 23.1081



17.1590, 33.0555, 6.3400



8.6881, 8.5820, 9.8560



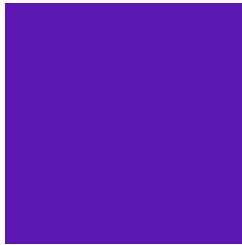
14.7893, 7.4333, 9.3166



0.4941, 0.2454, 0.4447

Previews

White Background



This preview shows how the XYZ color 13.0791, 6.2757, 43.7020 looks on a white background.

Color Contrast Check

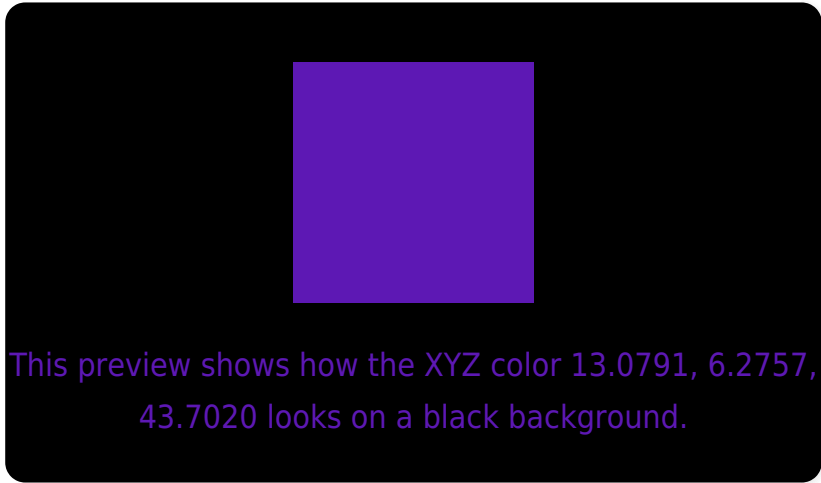
Large Text (above 18pt) WCAG AA ✓ Pass

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

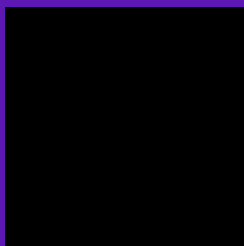
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0791, 6.2757, 43.7020

Background



This preview shows how black text looks on a background with the XYZ color 13.0791, 6.2757, 43.7020.



This preview shows how white text looks on a background with the XYZ color 13.0791, 6.2757,

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

13.0791, 6.2757, 43.7020

Protanopia

7.3164, 6.3316, 28.0306

Deuteranopia

6.1505, 6.3782, 20.3090



Tritanopia

6.0045, 6.4734, 8.1407

Trichromacy



Original Color

13.0791, 6.2757, 43.7020

Protanomaly

8.1043, 5.3549, 32.9542

Deuteranomaly

7.1847, 5.2128, 27.4156

Tritanomaly

7.4412, 5.5067, 16.8904

Monochromacy



Original Color

13.0791, 6.2757, 43.7020

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.3544, 4.5503, 13.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0791, 6.2757, 43.7020 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(93, 24, 180)` looks like.

```
.text, #text, p{  
    color:rgb(93, 24, 180)  
}
```

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(93, 24, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 24, 180) }
```

Border

The CSS property to change the border of an element to XYZ 13.0791, 6.2757, 43.7020 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(93, 24, 180) }
```


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

```
.border{ border-color:rgb(93, 24, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 24, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 24, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 24, 180);  
box-shadow:4px 4px 4px 4px rgb(93, 24,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0791, 6.2757, 43.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 24, 180) }
```

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

```
.background{ background-color: rgb(93, 24,  
180) }
```

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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