

Converting Colors

XYZ(10.4256, 7.7694, 31.5220)

Have a look what the booklet for
XYZ(10.4256, 7.7694, 31.5220)
contains.

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Color

**XYZ(10.4256, 7.7694,
31.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	46449A
RGB	70, 68, 154
RGB Percent	27%, 27%, 60%
CMY	0.7255, 0.7333, 0.3961
CMYK	0.55, 0.56, 0.00, 0.40
HSL	241°, 39%, 44%
HSV	241°, 56%, 60%
XYZ	10.4256, 7.7694, 31.5220
YIQ	78.4020, -26.4140, 27.1700

Conversions

Conversions Part 2

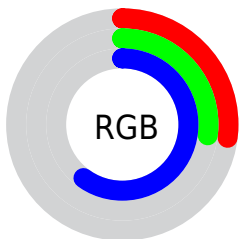
Format	Color
R_{YB}	70, 68, 154
Decimal	4605082
CIE _{Lab}	33.50, 25.99, -46.97
CIE _{LCh}	33, 53.678, 298.961
Yxy	7.7694, 0.2097, 0.1563
Android (android.graphics.Color)	4282795162 (0xFF46449A)
YUV	78.4020, 37.2698, -7.3686
Hunter-Lab	27.8736, 17.9856, -47.5389

Details

The XYZ color **10.4256, 7.7694, 31.5220** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **25.5475, 30.2039, 9.9524**, and the grayscale version is **7.2530, 7.6307, 8.3099**.

A 20% lighter version of the original color is **26.2115, 21.4542, 63.0812**, and **2.7459, 1.6546, 12.7450** is the 20% darker color. If you saturate the color by 10%, you get **8.6612, 5.6542, 31.2069**, and if you desaturate by 10%, it is **12.7071, 10.5145, 31.9318**.

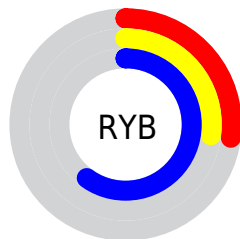
Distribution



Red (27%)

Green (27%)

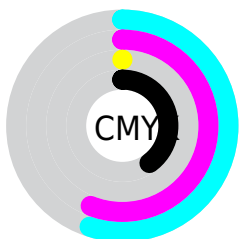
Blue (60%)



Red (27%)

Yellow (27%)

Blue (60%)

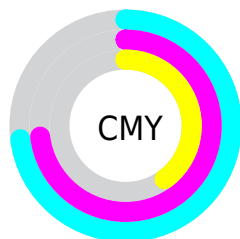


Cyan (55%)

Magenta (56%)

Yellow (0%)

Black (40%)



Cyan (73%)

Magenta (73%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4256, 7.7694, 31.5220 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 10.4256, 7.7694, 31.5220 by changing the saturation by 10% instead.

■ 10.4256, 7.7694,
31.5220

■ 10.4256, 7.7694,
31.5220

187.6741,
173.9120, 323.3614

■ 5.7465, 3.9477,
20.7349

■ 26.2355, 21.5051,
63.1502

■ 2.7307, 1.6444,
12.7410

■ 38.0969, 32.1880,
84.8283

■ 1.0130, 0.3872,
7.1218

■ 53.0832, 45.9267,
110.9738

■ 0.0000, 0.0000,
3.4588

■ 71.5596, 63.1057,
142.0052

■ 0.0000, 0.0000,
1.3334

■ 93.8915, 84.1093,
178.3412

■ 0.0000, 0.0000,
0.0889

■ 120.4444,

■ 0.0000, 0.0000,

109.3219, 220.4002

0.0000

151.5834,
139.1280, 268.6007

■ 10.4256, 7.7694,
31.5220

■ 10.4256, 7.7694,
31.5220

■ 8.6612, 5.6542,
31.2069

■ 12.7071, 10.5145,
31.9318

■ 7.3726, 4.1183,
30.9784

■ 15.5408, 13.9333,
32.4423

■ 6.5138, 3.1045,
30.8279

■ 18.9598, 18.0666,
33.0599

■ 6.0254, 2.5355,
30.7439

■ 22.9943, 22.9516,
33.7902

■ 5.8777, 2.3563,
30.7170

■ 27.6724, 28.6230,
34.6383

■ 33.0208, 35.1135,
35.6092

■ 39.0641, 42.4536,
36.7075

■ 45.8263, 50.6727,
37.9375

■ 53.3297, 59.7983,
39.3035

Harmonies

Analogous

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



7.2840, 7.7694, 36.5603



10.4256, 7.7694, 31.5220



13.2637, 7.7694, 19.6480

Triad

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



10.4256, 7.7694, 31.5220



10.6474, 7.7694, 0.8224



3.0961, 7.7694, 8.1735

Complementary

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



10.4256, 7.7694, 31.5220



25.5475, 30.2039, 9.9524

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.



3.5644, 7.7694, 2.6097



10.4256, 7.7694, 31.5220



7.4861, 7.7694, 0.2857

Square

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



10.4256, 7.7694, 31.5220



13.4135, 7.7694, 2.8453



5.0011, 7.7694, 0.7544



3.5026, 7.7694, 18.7820

Rectangle

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



10.4256, 7.7694, 31.5220



14.3172, 7.7694, 11.8988



5.0011, 7.7694, 0.7544



3.1537, 7.7694, 5.7565

Sweetspot

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



10.4260, 7.7696, 31.5222



40.6004, 40.2753, 61.1703



19.5372, 26.2031, 34.6000



8.8717, 8.7309, 13.7880



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



10.4260, 7.7696, 31.5222



15.0705, 9.4789, 56.5716



14.6374, 9.9407, 31.7193



5.8971, 6.0328, 7.7826



4.7930, 1.9219, 25.0261



0.0748, 0.0303, 0.3743

Inverse Universe

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



21.0610, 13.2713, 31.1563



36.4133, 20.5239, 55.6540



18.9757, 26.8160, 9.6448



6.4550, 6.3212, 7.7762



15.3716, 7.4029, 24.2795



0.2315, 0.1113, 0.3718

Previews

White Background



This preview shows how the XYZ color 10.4256, 7.7694, 31.5220 looks on a white background.

Color Contrast Check

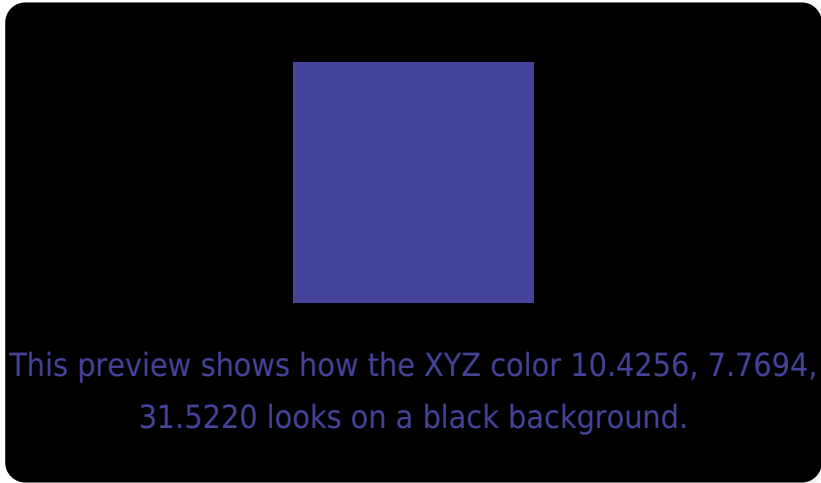
Large Text (above 18pt) WCAG AA ✓ Pass

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

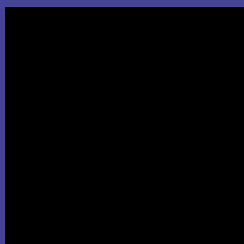
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4256, 7.7694, 31.5220

Background



This preview shows how black text looks on a background with the XYZ color 10.4256, 7.7694, 31.5220.



This preview shows how white text looks on a background with the XYZ color 10.4256, 7.7694,

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

10.4256, 7.7694, 31.5220

Protanopia

9.0175, 7.7421, 34.7373

Deuteranopia

7.6023, 7.6308, 25.8831



Tritanopia

6.2776, 7.7244, 11.0576

Trichromacy



Original Color

10.4256, 7.7694, 31.5220

Protanomaly

8.9550, 7.4404, 33.3119

Deuteranomaly

8.0962, 7.4199, 27.7935

Tritanomaly

7.3925, 7.5044, 16.9785

Monochromacy



Original Color

10.4256, 7.7694, 31.5220

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.9519, 7.4340, 14.6515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4256, 7.7694, 31.5220 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(70, 68, 154)` looks like.

```
.text, #text, p{  
  color:rgb(70, 68, 154)  
}
```

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(70, 68, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 68, 154) }
```

Border

The CSS property to change the border of an element to XYZ 10.4256, 7.7694, 31.5220 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(70, 68, 154) }
```


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

```
.border{ border-color:rgb(70, 68, 154) }
```

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

Here you see how a box with a 4 pixel rgb(70, 68, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 68, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 68, 154);  
box-shadow:4px 4px 4px 4px rgb(70, 68,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4256, 7.7694, 31.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 68, 154) }
```

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

```
.background{ background-color: rgb(70, 68,  
154) }
```

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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