

Converting Colors

XYZ(12.6151, 8.3144, 20.6786)

Have a look what the booklet for
XYZ(12.6151, 8.3144, 20.6786)
contains.

XYZ(12.6151, 8.3144, 20.6786)	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(12.6151, 8.3144,
20.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	753A7E
RGB	117, 58, 126
RGB Percent	46%, 23%, 49%
CMY	0.5412, 0.7725, 0.5059
CMYK	0.07, 0.54, 0.00, 0.51
HSL	292°, 37%, 36%
HSV	292°, 54%, 49%
XYZ	12.6151, 8.3144, 20.6786
YIQ	83.3930, 13.3360, 33.6560

Conversions

Conversions Part 2

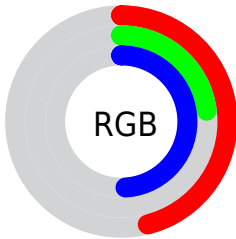
Format	Color
R_{YB}	117, 58, 126
Decimal	7682686
CIE _{Lab}	34.63, 36.82, -27.67
CIE _{LCh}	35, 46.056, 323.075
Yxy	8.3144, 0.3032, 0.1998
Android (android.graphics.Color)	4285872766 (0xFF753A7E)
YUV	83.3930, 21.0053, 29.4733
Hunter-Lab	28.8347, 27.6325, -22.3351

Details

The XYZ color **12.6151, 8.3144, 20.6786** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.5396, 16.4207, 6.6174**, and the grayscale version is **8.2590, 8.6891, 9.4624**.

A 20% lighter version of the original color is **30.2938, 22.6377, 45.4207**, and **3.6623, 1.8460, 7.1845** is the 20% darker color. If you saturate the color by 10%, you get **11.8339, 7.0815, 20.4819**, and if you desaturate by 10%, it is **13.5563, 9.8610, 20.9276**.

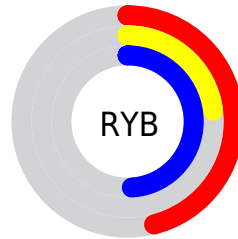
Distribution



Red (46%)

Green (23%)

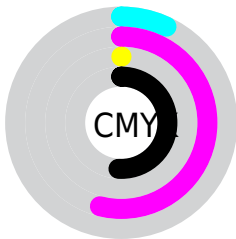
Blue (49%)



Red (46%)

Yellow (23%)

Blue (49%)

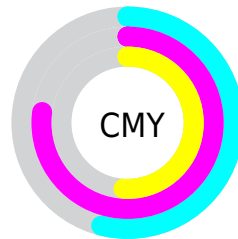


Cyan (7%)

Magenta (54%)

Yellow (0%)

Black (51%)



Cyan (54%)

Magenta (77%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6151, 8.3144, 20.6786 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 12.6151, 8.3144, 20.6786 by changing the saturation by 10% instead.

■ 12.6151, 8.3144,
20.6786

■ 12.6151, 8.3144,
20.6786

202.1238,
178.1776, 268.2902

■ 7.2392, 4.2968,
12.7003

■ 30.2178, 22.5725,
45.4258

■ 3.6598, 1.8409,
7.0942

■ 43.1753, 33.5818,
63.0319

■ 1.5115, 0.5125,
3.4418

■ 59.3907, 47.6904,
84.6843

■ 0.3337, 0.0000,
1.3244

■ 79.2293, 65.2828,
110.8015

■ 0.0000, 0.0000,
0.0816

■ 103.0566, 86.7433,
141.8022

■ 0.0000, 0.0000,
0.0000

■ 131.2379,

112.4564, 178.1049

164.1385,
142.8063, 220.1280

■ 12.6151, 8.3144,
20.6786

■ 12.6151, 8.3144,
20.6786

■ 11.8339, 7.0815,
20.4819

■ 13.5563, 9.8610,
20.9276

■ 11.2004, 6.1382,
20.3332

■ 14.6672, 11.7411,
21.2320

■ 10.7016, 5.4585,
20.2283

■ 15.9574, 13.9741,
21.5950

■ 10.3201, 5.0077,
20.1614

■ 17.4358, 16.5773,
22.0196

■ 10.1126, 4.7782,
20.1281

■ 19.1107, 19.5674,
22.5084

■ 20.9896, 22.9596,
23.0641

■ 23.0800, 26.7684,
23.6892

■ 25.3886, 31.0079,
24.3858

■ 27.9222, 35.6910,
25.1562

Harmonies

Analogous

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



10.0302, 8.3144, 29.6700



12.6151, 8.3144, 20.6786



13.9827, 8.3144, 10.8930

Triad

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



12.6151, 8.3144, 20.6786



8.5214, 8.3144, 0.9779



4.1354, 8.3144, 15.9103

Complementary

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



12.6151, 8.3144, 20.6786



10.5396, 16.4207, 6.6174

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.



3.9036, 8.3144, 7.4328



12.6151, 8.3144, 20.6786



6.0994, 8.3144, 1.2337

Square

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



12.6151, 8.3144, 20.6786



11.3057, 8.3144, 1.7502



4.5397, 8.3144, 2.8847



5.2617, 8.3144, 26.0187

Rectangle

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



12.6151, 8.3144, 20.6786



13.8468, 8.3144, 6.1829



4.5397, 8.3144, 2.8847



3.9622, 8.3144, 12.6968

Sweetspot

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



12.6154, 8.3148, 20.6788



30.0331, 28.0151, 38.5689



7.5223, 6.4285, 20.5831



6.7319, 6.1966, 8.7443



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6154, 8.3148, 20.6788



20.5217, 11.9944, 35.9779



12.4697, 8.4030, 13.2941



4.4440, 4.3845, 5.4253



10.3720, 4.9007, 20.6492



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1306, 7.8673, 6.2424



17.7568, 11.2028, 7.2145



10.7648, 16.4450, 10.7773



4.3492, 4.3528, 4.6432



8.9272, 4.5906, 0.9407



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6151, 8.3144, 20.6786 looks on a white background.

Color Contrast Check

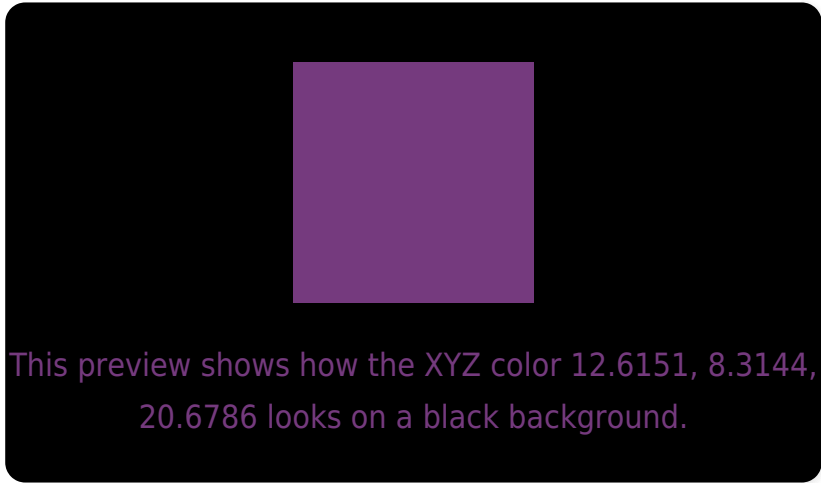
Large Text (above 18pt) WCAG AA ✓ Pass

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

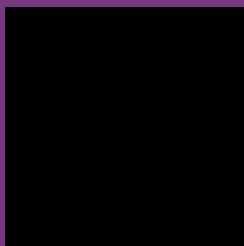
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6151, 8.3144, 20.6786

Background



This preview shows how black text looks on a background with the XYZ color 12.6151, 8.3144, 20.6786.



This preview shows how white text looks on a background with the XYZ color 12.6151, 8.3144,

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

12.6151, 8.3144, 20.6786

Protanopia

9.4222, 8.5165, 28.3414

Deuteranopia

8.6445, 8.5297, 19.6031



Tritanopia

9.9882, 8.3433, 7.9215

Trichromacy



Original Color

12.6151, 8.3144, 20.6786

Protanomaly

9.8792, 7.9947, 25.4485

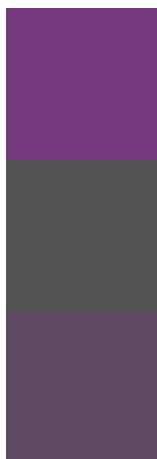
Deuteranomaly

9.5250, 8.0341, 19.7876

Tritanomaly

10.7786, 8.2153, 11.6073

Monochromacy



Original Color

12.6151, 8.3144, 20.6786

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.4202, 8.2313, 12.8967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6151, 8.3144, 20.6786 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(117, 58, 126)` looks like.

```
.text, #text, p{  
    color:rgb(117, 58, 126)  
}
```

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(117, 58, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 58, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.6151, 8.3144, 20.6786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

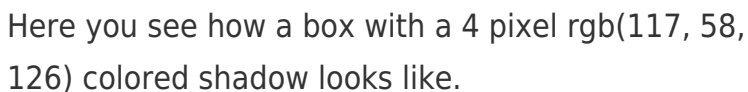
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 58, 126) }
```


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

```
.border{ border-color:rgb(117, 58, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 58, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 58, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 58, 126); box-shadow:4px 4px 4px 4px rgb(117, 58, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6151, 8.3144, 20.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 58, 126) }
```

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

```
.background{ background-color: rgb(117, 58,  
126) }
```

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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