

Converting Colors

XYZ(23.7639, 12.8461, 88.2758)

Have a look what the booklet for
XYZ(23.7639, 12.8461, 88.2758)
contains.

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Color

**XYZ(23.7828, 12.8161,
88.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	663DF6
RGB	102, 61, 246
RGB Percent	40%, 24%, 96%
CMY	0.6000, 0.7608, 0.0353
CMYK	0.59, 0.75, 0.00, 0.04
HSL	253°, 91%, 60%
HSV	253°, 75%, 96%
XYZ	23.7828, 12.8161, 88.4090
YIQ	94.3490, -34.9490, 66.2270

Conversions

Conversions Part 2

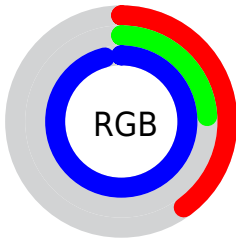
Format	Color
R _{YB}	102, 61, 246
Decimal	6700534
CIE _{Lab}	42.48, 62.98, -85.75
CIE _{LCh}	42, 106.394, 306.298
Yxy	12.8161, 0.1903, 0.1025
Android (android.graphics.Color)	4284890614 (0xFF663DF6)
YUV	94.3490, 74.7639, 6.7099
Hunter-Lab	35.7996, 55.9340, -121.3602

Details

The XYZ color **23.7828, 12.8161, 88.4090** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **58.9726, 79.2266, 16.5987**, and the grayscale version is **10.5569, 11.1067, 12.0952**.

A 20% lighter version of the original color is **39.6810, 27.1372, 97.7543**, and **9.1021, 3.6437, 47.8005** is the 20% darker color. If you saturate the color by 10%, you get **20.8326, 9.7725, 87.9774**, and if you desaturate by 10%, it is **27.8373, 17.3216, 89.0653**.

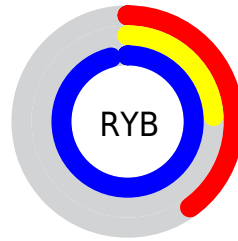
Distribution



Red (40%)

Green (24%)

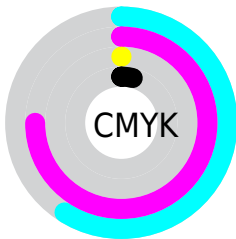
Blue (96%)



Red (40%)

Yellow (24%)

Blue (96%)

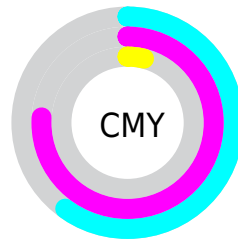


Cyan (59%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (60%)

Magenta (76%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7828, 12.8161, 88.4090 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 23.7828, 12.8161, 88.4090 by changing the saturation by 10% instead.

■ 23.7828, 12.8161,
88.4090

■ 23.7828, 12.8161,
88.4090

264.1814,
209.7357, 543.2777

■ 15.2964, 7.3020,
66.0956

■ 49.1328, 30.9730,
147.0426

■ 9.1154, 3.6517,
47.8930

■ 66.7271, 44.3846,
184.1998

■ 4.8742, 1.4807,
33.3828

■ 88.0882, 61.1976,
227.1421

■ 2.2076, 0.2751,
22.1463

■ 113.5813, 81.7962,
276.2879

■ 0.7468, 0.0000,
13.7651

■ 143.5718,
106.5649, 332.0558

■ 0.0000, 0.0000,
7.8206

178.4251,

■ 0.0000, 0.0000,

135.8882, 394.8644

3.8942

218.5065,
170.1503, 465.1322

■ 0.0000, 0.0000,
1.5675

■ 0.0000, 0.0000,
0.2675

■ 23.7828, 12.8161,
88.4090

■ 23.7828, 12.8161,
88.4090

■ 20.8326, 9.7725,
87.9774

■ 27.8373, 17.3216,
89.0653

■ 18.8594, 7.9923,
87.7378

■ 33.0981, 23.4502,
89.9710

■ 18.1846, 7.4529,
87.6692

■ 39.6577, 31.3425,
91.1486

■ 47.5984, 41.1230,
92.6179

■ 56.9957, 52.9050,
94.3968

■ 67.9191, 66.7928,
96.5017

■ 80.4339, 82.8833,
98.9479

■ 93.6346, 99.4338,
101.4467

Harmonies

Analogous

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



13.9527, 12.8161, 120.0012



23.7828, 12.8161, 88.4090



32.4642, 12.8161, 40.3065

Triad

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



23.7828, 12.8161, 88.4090



19.4926, 12.8161, 0.0000



2.3829, 12.8161, 19.3824

Complementary

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



23.7828, 12.8161, 88.4090



58.9726, 79.2266, 16.5987

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.



2.8135, 12.8161, 2.6648



23.7828, 12.8161, 88.4090



10.5666, 12.8161, 0.0000

Square

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



23.7828, 12.8161, 88.4090



29.3194, 12.8161, 0.7178



5.1422, 12.8161, 0.0000



3.4997, 12.8161, 59.8364

Rectangle

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



23.7828, 12.8161, 88.4090



34.9648, 12.8161, 17.0055



5.1422, 12.8161, 0.0000



2.3624, 12.8161, 11.2923

Sweetspot

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



23.7836, 12.8164, 88.4094



64.2629, 60.4645, 102.8915



40.6102, 51.7484, 95.0372



12.8972, 11.8581, 21.8590



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.7836, 12.8164, 88.4094



21.4186, 9.4887, 95.3103



40.4446, 21.4054, 89.1891



15.9247, 16.1038, 20.8116



9.8039, 4.0284, 46.7989



0.9464, 0.3977, 4.1171

Inverse Universe

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



50.6932, 27.3376, 60.3569



52.5127, 26.3426, 59.5235



40.6618, 69.7870, 15.7418



17.0472, 16.7017, 19.9951



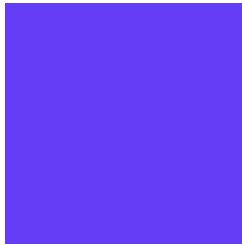
25.3882, 12.4987, 27.8165



2.2692, 1.1136, 2.6440

Previews

White Background



This preview shows how the XYZ color 23.7828, 12.8161, 88.4090 looks on a white background.

Color Contrast Check

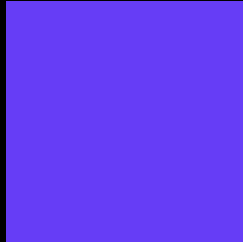
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7828, 12.8161, 88.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

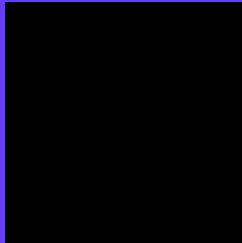
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7828, 12.8161, 88.4090

Background



This preview shows how black text looks on a background with the XYZ color 23.7828, 12.8161, 88.4090.



This preview shows how white text looks on a background with the XYZ color 23.7828, 12.8161,

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

23.7828, 12.8161, 88.4090

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

9.7457, 12.6138, 18.7507

Trichromacy



Original Color

23.7828, 12.8161, 88.4090



Protanomaly

16.6424, 11.6943, 68.3979



Deuteranomaly

14.6780, 11.5429, 56.0980



Tritanomaly

12.7567, 11.3558, 36.6415

Monochromacy



Original Color

23.7828, 12.8161, 88.4090



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.3719, 10.7459, 29.8032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7828, 12.8161, 88.4090 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(102, 61, 246)` looks like.

```
.text, #text, p{  
    color:rgb(102, 61, 246)  
}
```

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(102, 61, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 61, 246) }
```

Border

The CSS property to change the border of an element to XYZ 23.7828, 12.8161, 88.4090 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(102, 61, 246) }
```


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

```
.border{ border-color:rgb(102, 61, 246) }
```

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

Here you see how a box with a 4 pixel rgb(102, 61, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 61, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 61, 246);  
box-shadow:4px 4px 4px 4px rgb(102, 61,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7828, 12.8161, 88.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 61, 246) }
```

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

```
.background{ background-color: rgb(102, 61,  
246) }
```

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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