

Converting Colors

XYZ(12.3129, 8.7426, 10.1443)

Have a look what the booklet for
XYZ(12.3129, 8.7426, 10.1443)
contains.

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Color

**XYZ(12.1953, 8.6454,
10.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	7F3E57
RGB	127, 62, 87
RGB Percent	50%, 24%, 34%
CMY	0.5020, 0.7568, 0.6588
CMYK	0.00, 0.51, 0.31, 0.50
HSL	337°, 34%, 37%
HSV	337°, 51%, 50%
XYZ	12.1953, 8.6454, 10.0428
YIQ	84.2850, 30.7150, 21.5550

Conversions

Conversions Part 2

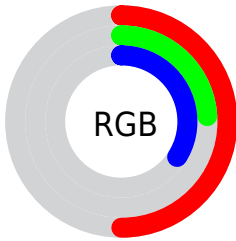
Format	Color
R_{YB}	127, 62, 87
Decimal	8339031
CIE Lab	35.29, 31.10, -1.93
CIE LCh	35, 31.158, 356.451
Yxy	8.6454, 0.3949, 0.2799
Android (android.graphics.Color)	4286529111 (0xFF7F3E57)
YUV	84.2850, 1.3385, 37.4611
Hunter-Lab	29.4031, 22.5798, 0.3313

Details

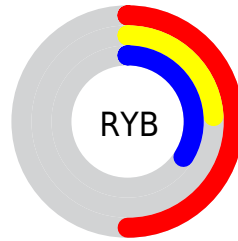
The XYZ color **12.1953, 8.6454, 10.0428** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **11.9747, 17.1624, 15.2528**, and the grayscale version is **8.4789, 8.9204, 9.7144**.

A 20% lighter version of the original color is **29.6009, 23.3396, 26.6118**, and **3.4635, 1.9509, 2.3845** is the 20% darker color. If you saturate the color by 10%, you get **11.2815, 7.3014, 8.2471**, and if you desaturate by 10%, it is **13.3056, 10.3270, 12.0748**.

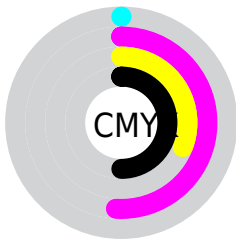
Distribution



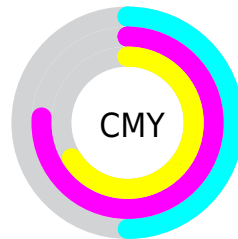
- Red (50%)
- Green (24%)
- Blue (34%)



- Red (50%)
- Yellow (24%)
- Blue (34%)



- Cyan (0%)
- Magenta (51%)
- Yellow (31%)
- Black (50%)





- Cyan (50%)
- Magenta (76%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1953, 8.6454, 10.0428 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 12.1953, 8.6454, 10.0428 by changing the saturation by 10% instead.


 12.1953, 8.6454,
10.0428


 12.1953, 8.6454,
10.0428


199.4376,
180.7101, 201.4732


 6.9500, 4.5106,
5.3214


 29.4641, 23.2143,
26.4850


 3.4769, 1.9631,
2.3750

 42.2183, 34.4172,
39.0429


 1.4107, 0.5859,
0.7728

 58.2061, 48.7450,
55.0501

 0.2638, 0.0000,
0.0000

 77.7929, 66.5820,
74.9250

 0.0000, 0.0000,
0.0000

 101.3442, 88.3126,
99.0862

 129.2251,

114.3212, 127.9523

161.8011,
144.9923, 161.9418

■ 12.1953, 8.6454,
10.0428

■ 12.1953, 8.6454,
10.0428

■ 11.2815, 7.3014,
8.2471

■ 13.3056, 10.3270,
12.0748

■ 10.5509, 6.2703,
6.6777

■ 14.6231, 12.3659,
14.3515

■ 9.9898, 5.5264,
5.3243

■ 16.1585, 14.7819,
16.8815

■ 9.5818, 5.0390,
4.1754

■ 17.9214, 17.5929,
19.6730

■ 9.3034, 4.7324,
3.3114

■ 19.9210, 20.8156,
22.7334

■ 22.1659, 24.4659,
26.0700

■ 24.6643, 28.5586,
29.6899

■ 27.4240, 33.1082,
33.5998

■ 30.4525, 38.1280,
37.8062

Harmonies

Analogous

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



11.4660, 8.6454, 16.0522



12.1953, 8.6454, 10.0428



11.7366, 8.6454, 5.6406

Triad

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



12.1953, 8.6454, 10.0428



6.7648, 8.6454, 3.0198



6.4429, 8.6454, 20.3788

Complementary

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



12.1953, 8.6454, 10.0428



11.9747, 17.1624, 15.2528

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.



5.4827, 8.6454, 14.5772



12.1953, 8.6454, 10.0428



5.6485, 8.6454, 4.9158

Square

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



12.1953, 8.6454, 10.0428



8.4341, 8.6454, 2.5655



5.2146, 8.6454, 8.8108



8.0040, 8.6454, 23.2455

Rectangle

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



12.1953, 8.6454, 10.0428



10.8507, 8.6454, 3.8867



5.2146, 8.6454, 8.8108



6.0485, 8.6454, 18.6231

Sweetspot

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



12.1955, 8.6458, 10.0430



30.7231, 29.3131, 33.0829



10.9206, 7.7448, 20.9980



7.0620, 6.6540, 7.5380



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1955, 8.6458, 10.0430



20.0181, 12.8096, 14.3885



11.7197, 9.0553, 5.6882



4.3909, 4.3695, 4.8630



9.3822, 4.7726, 3.3363



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1955, 8.6458, 10.0430



20.0181, 12.8096, 14.3885



12.5944, 16.1102, 22.5244



4.3909, 4.3695, 4.8630



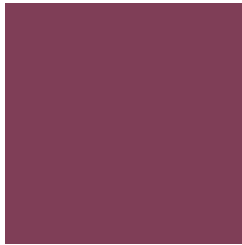
9.3822, 4.7726, 3.3363



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1953, 8.6454, 10.0428 looks on a white background.

Color Contrast Check

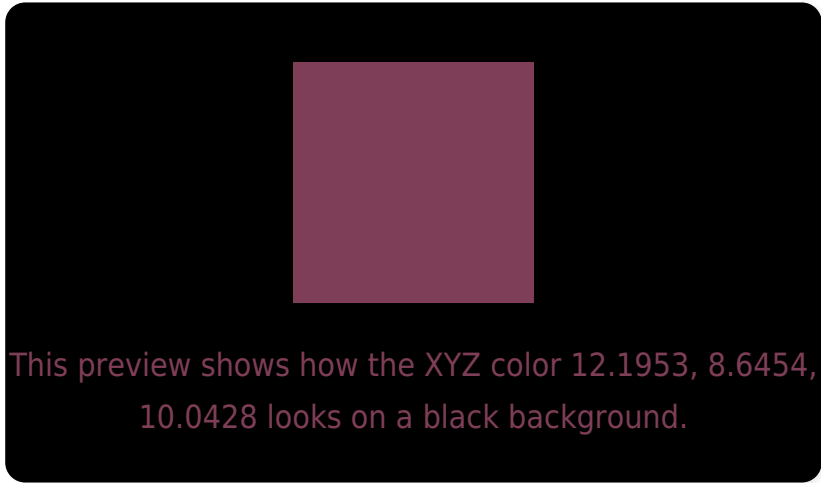
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1953, 8.6454, 10.0428

Background



This preview shows how black text looks on a background with the XYZ color 12.1953, 8.6454, 10.0428.



This preview shows how white text looks on a background with the XYZ color 12.1953, 8.6454,

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

12.1953, 8.6454, 10.0428

Protanopia

8.7018, 8.8121, 13.2989

Deuteranopia

8.8570, 8.7491, 9.6094



Tritanopia

11.6000, 8.6584, 6.8542

Trichromacy



Original Color

12.1953, 8.6454, 10.0428

Protanomaly

9.5114, 8.3998, 11.9465

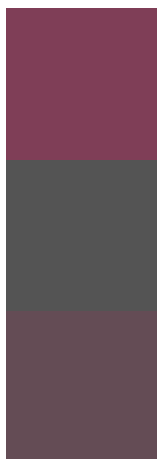
Deuteranomaly

9.7974, 8.4965, 9.7179

Tritanomaly

11.7421, 8.6242, 7.8832

Monochromacy



Original Color

12.1953, 8.6454, 10.0428

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4797, 8.5341, 9.7419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1953, 8.6454, 10.0428 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(127, 62, 87)` looks like.

```
.text, #text, p{  
    color:rgb(127, 62, 87)  
}
```

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(127, 62, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 62, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.1953, 8.6454, 10.0428 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(127, 62, 87) }
```


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

```
.border{ border-color:rgb(127, 62, 87) }
```

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

Here you see how a box with a 4 pixel rgb(127, 62, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 62, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 62, 87);  
box-shadow:4px 4px 4px 4px rgb(127, 62,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1953, 8.6454, 10.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 62, 87) }
```

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

```
.background{ background-color: rgb(127, 62,  
87) }
```

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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