

Converting Colors

XYZ(7.8395, 10.3878, 12.5376)

Have a look what the booklet for
XYZ(7.8395, 10.3878, 12.5376)
contains.

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Color

**XYZ(7.8428, 10.4280,
12.4259)**

Conversions

Conversions Part 1

Format	Color
Hex	32635F
RGB	50, 99, 95
RGB Percent	20%, 39%, 37%
CMY	0.8039, 0.6118, 0.6274
CMYK	0.49, 0.00, 0.04, 0.61
HSL	175°, 33%, 29%
HSV	175°, 49%, 39%
XYZ	7.8428, 10.4280, 12.4259
YIQ	83.8930, -27.9200, -11.6320

Conversions

Conversions Part 2

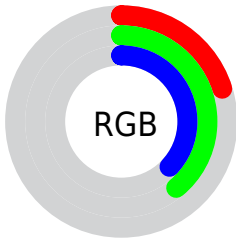
Format	Color
RYB	50, 76, 99
Decimal	3302239
CIELab	38.60, -17.67, -2.87
CIELCh	39, 17.899, 189.237
Yxy	10.4280, 0.2555, 0.3397
Android (android.graphics.Color)	4281492319 (0xFF32635F)
YUV	83.8930, 5.4758, -29.7242
Hunter-Lab	32.2924, -13.1598, -0.2097

Details

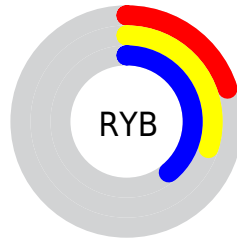
The XYZ color **7.8428, 10.4280, 12.4259** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.9524, 5.2005, 4.1278**, and the grayscale version is **8.3982, 8.8356, 9.6220**.

A 20% lighter version of the original color is **21.2727, 26.5664, 30.7947**, and **1.7824, 2.6777, 3.3286** is the 20% darker color. If you saturate the color by 10%, you get **7.3701, 10.1888, 12.2132**, and if you desaturate by 10%, it is **8.4221, 10.7226, 12.6461**.

Distribution



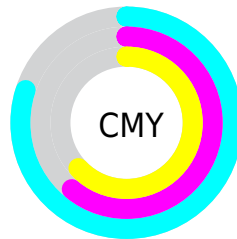
- Red (20%)
- Green (39%)
- Blue (37%)



- Red (20%)
- Yellow (30%)
- Blue (39%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (61%)



- Cyan (80%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8428, 10.4280, 12.4259 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 7.8428, 10.4280, 12.4259 by changing the saturation by 10% instead.

7.8428, 10.4280,
12.4259

7.8428, 10.4280,
12.4259

168.8905,
193.7001, 218.2819

4.0455, 5.6836,
6.9084

21.3381, 26.5975,
30.9444

1.7279, 2.6537,
3.3273

31.7667, 38.7914,
44.7824

0.4736, 0.9537,
1.2641

45.1365, 54.2373,
62.2310

0.0000, 0.0000,
0.0321

61.8129, 73.3195,
83.7088

0.0000, 0.0000,
0.0000

82.1611, 96.4225,
109.6342

106.5465,

123.9307, 140.4258

135.3345,
156.2284, 176.5022

■ 7.8428, 10.4280,
12.4259

■ 7.8428, 10.4280,
12.4259

■ 7.3701, 10.1888,
12.2132

■ 8.4221, 10.7226,
12.6461

■ 6.9962, 10.0002,
12.0068

■ 9.1135, 11.0747,
12.8733

■ 6.7137, 9.8587,
11.8067

■ 9.9228, 11.4876,
13.1080

■ 6.5138, 9.7598,
11.6124

■ 10.8556, 11.9641,
13.3505

■ 6.3548, 9.6819,
11.4220

■ 11.9169, 12.5068,
13.6010

■ 6.3468, 9.6779,
11.4124

■ 13.1115, 13.1181,
13.8598

■ 14.4438, 13.8004,
14.1271

■ 15.9182, 14.5559,
14.4030

■ 17.5388, 15.3867,
14.6879

Harmonies

Analogous

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



7.9438, 10.4280, 9.2096



7.8428, 10.4280, 12.4259



8.2611, 10.4280, 15.9632

Triad

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



7.8428, 10.4280, 12.4259



11.4118, 10.4280, 17.1456



10.7350, 10.4280, 6.3113

Complementary

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



7.8428, 10.4280, 12.4259



6.9524, 5.2005, 4.1278

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.



11.7682, 10.4280, 7.7307



7.8428, 10.4280, 12.4259



12.1799, 10.4280, 13.8085

Square

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



7.8428, 10.4280, 12.4259



10.2789, 10.4280, 19.0215



12.3153, 10.4280, 10.3462



9.5529, 10.4280, 6.0865

Rectangle

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



7.8428, 10.4280, 12.4259



8.7992, 10.4280, 17.8781



12.3153, 10.4280, 10.3462



11.1138, 10.4280, 6.6489

Sweetspot

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



7.8431, 10.4284, 12.4261



17.6461, 20.0247, 22.6529



6.5637, 9.9410, 4.5907



4.1417, 4.7328, 5.3705



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



7.8431, 10.4284, 12.4261



12.5576, 17.4349, 20.9077



6.3339, 7.1114, 12.8436



2.6319, 2.8915, 3.2216



8.2664, 12.6126, 14.8408



44.0070, 67.3177, 78.4729

Inverse Universe

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



6.9524, 5.2005, 4.1278



10.8417, 7.3409, 4.9044



7.9380, 7.3160, 4.0116



2.5809, 2.5933, 2.7475



6.7578, 3.4780, 0.5782



35.9559, 18.5218, 2.3220

Previews

White Background



This preview shows how the XYZ color 7.8428, 10.4280, 12.4259 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 7.8428, 10.4280, 12.4259 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 7.8428, 10.4280, 12.4259

Background



This preview shows how black text looks on a background with the XYZ color 7.8428, 10.4280, 12.4259.



This preview shows how white text looks on a background with the XYZ color 7.8428, 10.4280,

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

7.8428, 10.4280, 12.4259

Protanopia

9.9153, 10.3258, 11.1434

Deuteranopia

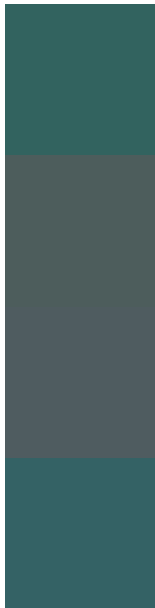
10.4713, 10.3293, 12.7511



Tritanopia

8.2927, 10.3262, 14.9207

Trichromacy



Original Color

7.8428, 10.4280, 12.4259

Protanomaly

8.9067, 10.1792, 11.6206

Deuteranomaly

9.1629, 10.1611, 12.5447

Tritanomaly

8.1328, 10.4050, 13.8916

Monochromacy



Original Color

7.8428, 10.4280, 12.4259

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.0063, 9.2271, 10.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8428, 10.4280, 12.4259 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(50, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(50, 99, 95)  
}
```

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(50, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 99, 95) }
```

Border

The CSS property to change the border of an element to XYZ 7.8428, 10.4280, 12.4259 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(50, 99, 95) }
```


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

```
.border{ border-color:rgb(50, 99, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 99, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(50, 99, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8428, 10.4280, 12.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 99, 95) }
```

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

```
.background{ background-color: rgb(50, 99,  
95) }
```

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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