

Converting Colors

YUV(63.7830, 12.4320,
-20.8577)

Have a look what the booklet for
YUV(63.7830, 12.4320, -20.8577)
contains.

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Color

**YUV(63.7830, 12.4320,
-20.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	284759
RGB	40, 71, 89
RGB Percent	16%, 28%, 35%
CMY	0.8431, 0.7216, 0.6510
CMYK	0.55, 0.20, 0.00, 0.65
HSL	202°, 38%, 25%
HSV	202°, 55%, 35%
XYZ	4.9315, 5.6789, 10.2874
YIQ	63.7830, -24.2540, -0.9740

Conversions

Conversions Part 2

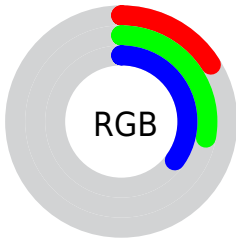
Format	Color
R_{YB}	40, 59, 89
Decimal	2639705
CIE _{Lab}	28.59, -5.70, -14.22
CIE _{LCh}	29, 15.317, 248.155
Yxy	5.6789, 0.2360, 0.2717
Android (android.graphics.Color)	4280829785 (0xFF284759)
YUV	63.7830, 12.4320, -20.8577
Hunter-Lab	23.8304, -4.7641, -8.9138

Details

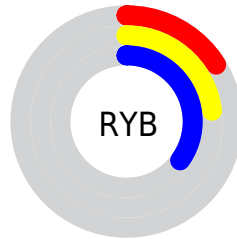
The YUV color **63.7830, 12.4320, -20.8577** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **65.2170, -12.4320, 20.8577**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.3100, 13.1582, -20.4429**, and **21.3380, 10.6794, -18.7134** is the 20% darker color. If you saturate the color by 10%, you get **59.3310, 14.6268, -24.8463**, and if you desaturate by 10%, it is **68.2350, 10.2371, -16.8691**.

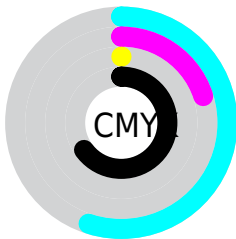
Distribution



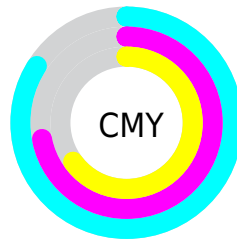
- Red (16%)
- Green (28%)
- Blue (35%)



- Red (16%)
- Yellow (23%)
- Blue (35%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (72%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YUV color 63.7830, 12.4320, -20.8577 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 YUV color 63.7830, 12.4320, -20.8577 by changing the saturation by 10% instead.

■ 63.7830, 12.4320,
-20.8577

■ 63.7830, 12.4320,
-20.8577

■ 255.0000, 0.0000,
0.0000

■ 40.4730, 12.5848,
-23.2168

■ 112.3100, 13.1582,
-20.4429

■ 21.3380, 10.6794,
-18.7134

■ 138.0110, 13.3056,
-21.0576

■ 3.2090, 9.7570,
-2.8143

■ 165.1250, 13.7424,
-21.1576

■ 0.0000, 0.0000,
0.0000

■ 192.1250, 13.7424,
-21.1576

■ 219.9400, 14.3266,
-21.8724

■ 245.4320, 4.7170,

-19.6729

254.1030, 0.4422,
-1.8443

■ 63.7830, 12.4320,
-20.8577

■ 63.7830, 12.4320,
-20.8577

■ 59.3310, 14.6268,
-24.8463

■ 68.2350, 10.2371,
-16.8691

■ 54.2920, 17.1110,
-28.3201

■ 73.2740, 7.7529,
-13.3953

■ 49.8400, 19.3059,
-32.3087

■ 77.7260, 5.5581,
-9.4067

■ 45.3880, 21.5007,
-36.2973

■ 82.1780, 3.3632,
-5.4181

■ 43.0180, 22.6691,
-37.7268

■ 86.6300, 1.1684,
-1.4295

■ 91.3700, -1.1684,
1.4295

■ 95.8220, -3.3632,
5.4181

■ 100.2740, -5.5581,
9.4067

■ 104.7260, -7.7529,
13.3953

Harmonies

Analogous

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



61.1690, 10.2697, -27.3352



63.7830, 12.4320, -20.8577



66.7460, 11.9572, -8.5472

Triad

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



63.7830, 12.4320, -20.8577



69.2520, -2.0962, 19.0730



65.2030, -7.9881, -4.5630

Complementary

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



63.7830, 12.4320, -20.8577



65.2170, -12.4320, 20.8577

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.



66.7590, -11.2202, 5.4734



63.7830, 12.4320, -20.8577



68.1720, -7.4798, 19.1432

Square

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



63.7830, 12.4320, -20.8577



69.2990, 3.3036, 13.7698



67.6290, -10.6631, 13.4804



63.2170, -2.5720, -15.0993

Rectangle

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



63.7830, 12.4320, -20.8577



68.5190, 9.6041, -0.4552



67.6290, -10.6631, 13.4804



65.4700, -9.5987, -1.2892

Sweetspot

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



63.7830, 12.4320, -20.8577



104.9110, 4.9739, -8.6919



70.8150, -6.3178, -27.0248



52.4770, 3.2158, -4.8033



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000

Same Dimension

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



63.7830, 12.4320, -20.8577



75.8400, 19.3059, -32.3087



49.6950, 19.3774, -8.5025



41.2170, 0.8790, -1.9443



52.1140, 27.0588, -45.7040



113.6660, 59.8177, -99.6851

Inverse Universe

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



58.1850, 6.3178, 27.0248



67.1960, 9.7634, 41.9241



79.3050, -19.3774, 8.5025



40.5380, 0.7208, 2.1592



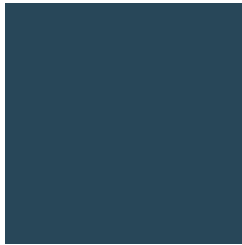
39.7450, 13.9297, 58.9826



87.1370, 30.0055, 129.6759

Previews

White Background



This preview shows how the YUV color 63.7830, 12.4320, -20.8577 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



This preview shows how the YUV color 63.7830, 12.4320, -20.8577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

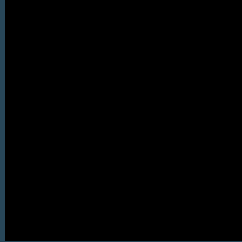
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 63.7830, 12.4320, -20.8577

Background



This preview shows how black text looks on a background with the YUV color 63.7830, 12.4320, -20.8577.



This preview shows how white text looks on a background with the YUV color 63.7830, 12.4320,

-20.8577.

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

63.7830, 12.4320, -20.8577

Protanopia

67.6710, 9.0362, -4.9735

Deuteranopia

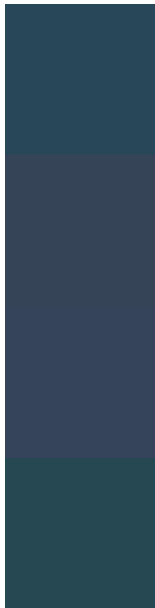
67.2410, 11.2202, -5.4734



Tritanopia

62.6210, 8.0748, -23.3466

Trichromacy



Original Color

63.7830, 12.4320, -20.8577

Protanomaly

65.9800, 10.3629, -10.5065

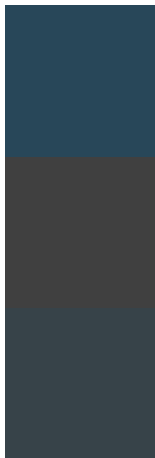
Deuteranomaly

66.0230, 11.8207, -11.4212

Tritanomaly

62.7890, 9.9640, -22.6170

Monochromacy



Original Color

63.7830, 12.4320, -20.8577

Achromatopsia

64.0000, 0.0000, 0.0000

Achromatomaly

64.0960, 4.3897, -7.9772

CSS Examples

Text

The CSS property to change the color of the text to YUV 63.7830, 12.4320, -20.8577 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(40, 71, 89)` looks like.

```
.text, #text, p{  
    color:rgb(40, 71, 89)  
}
```

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(40, 71, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 71, 89) }
```

Border

The CSS property to change the border of an element to YUV 63.7830, 12.4320, -20.8577 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(40, 71, 89) }
```


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

```
.border{ border-color:rgb(40, 71, 89) }
```

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

Here you see how a box with a 4 pixel rgb(40, 71, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 71, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 71, 89);  
box-shadow:4px 4px 4px 4px rgb(40, 71, 89)  
}
```

Background

The CSS property to change the background color of an element to YUV 63.7830, 12.4320, -20.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 71, 89) }
```

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

```
.background{ background-color: rgb(40, 71,  
89) }
```

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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