

Converting Colors

YUV(45.2330, 53.6221,
-25.6373)

Have a look what the booklet for
YUV(45.2330, 53.6221, -25.6373)
contains.

YUV(45.2330, 53.6221, -25.6373)	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

**YUV(45.2330, 53.6221,
-25.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	10279A
RGB	16, 39, 154
RGB Percent	6%, 15%, 60%
CMY	0.9373, 0.8471, 0.3961
CMYK	0.90, 0.75, 0.00, 0.40
HSL	230°, 81%, 33%
HSV	230°, 90%, 60%
XYZ	6.7719, 3.8943, 30.9666
YIQ	45.2330, -50.6230, 30.8890

Conversions

Conversions Part 2

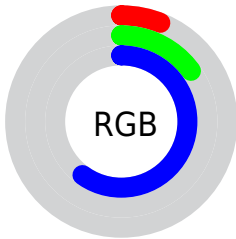
Format	Color
R_{YB}	16, 36, 154
Decimal	1058714
CIE _{Lab}	23.32, 37.80, -63.73
CIE _{LCh}	23, 74.102, 300.675
Yxy	3.8943, 0.1627, 0.0935
Android (android.graphics.Color)	4279248794 (0xFF10279A)
YUV	45.2330, 53.6221, -25.6373
Hunter-Lab	19.7340, 26.7199, -79.2243

Details

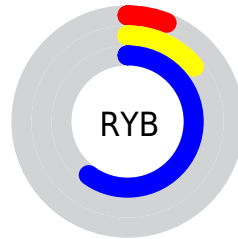
The YUV color **45.2330, 53.6221, -25.6373** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **124.7670, -53.6221, 25.6373**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.3430, 53.5679, -8.1938**, and **11.5140, 44.1166, -10.0978** is the 20% darker color. If you saturate the color by 10%, you get **33.1170, 59.5953, -28.1666**, and if you desaturate by 10%, it is **57.3490, 47.6489, -23.1081**.

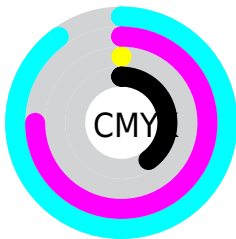
Distribution



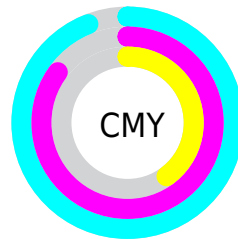
- Red (6%)
- Green (15%)
- Blue (60%)



- Red (6%)
- Yellow (14%)
- Blue (60%)



- Cyan (90%)
- Magenta (75%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (85%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.2330, 53.6221, -25.6373 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 45.2330, 53.6221, -25.6373 by changing the saturation by 10% instead.

■ 45.2330, 53.6221,
-25.6373

■ 45.2330, 53.6221,
-25.6373

■ 255.0000, 0.0000,
0.0000

■ 25.0440, 50.2643,
-21.9636

■ 101.3430, 53.5679,
-8.1938

■ 11.5140, 44.1166,
-10.0978

■ 127.5930, 54.4307,
-4.9051

■ 9.8380, 32.6179,
-8.6279

■ 153.4640, 50.0572,
-2.1609

■ 8.9770, 21.7033,
-7.8728

■ 177.6960, 38.1109,
2.8976

■ 4.7080, 12.9620,
-4.1289

■ 202.2160, 26.0225,
6.8266

■ 0.1140, 0.4368,
-0.1000

■ 227.6220, 13.4974,

■ 0.0000, 0.0000,

10.8555

0.0000

249.1300, 2.8939,
5.1480

45.2330, 53.6221,
-25.6373

45.2330, 53.6221,
-25.6373

33.1170, 59.5953,
-28.1666

57.3490, 47.6489,
-23.1081

32.8180, 59.7427,
-28.7814

69.7640, 41.5283,
-19.9640

81.8800, 35.5552,
-17.4348

93.7080, 29.7240,
-13.7759

105.8240, 23.7508,
-11.2466

■ 117.9400, 17.7776,
-8.7174

■ 130.3550, 11.6570,
-5.5733

■ 142.4710, 5.6838,
-3.0441

■ 154.8860, -0.4368,
0.1000

Harmonies

Analogous

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



57.6490, 55.8820, -50.5582



45.2330, 53.6221, -25.6373



47.9360, 31.0906, 61.4461

Triad

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



45.2330, 53.6221, -25.6373



46.9780, -23.1602, 55.2703



49.8220, 3.0458, -43.6939

Complementary

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



45.2330, 53.6221, -25.6373



124.7670, -53.6221, 25.6373

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.



42.2640, -20.8362, -37.0655



45.2330, 53.6221, -25.6373



52.6170, -25.9402, 13.4909

Square

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



45.2330, 53.6221, -25.6373



40.9630, -20.1948, 84.2244



39.3290, -19.3892, -34.4915



56.7930, 27.2171, -49.8075

Rectangle

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



45.2330, 53.6221, -25.6373



50.1110, 12.2703, 77.9557



39.3290, -19.3892, -34.4915



47.5420, -5.6902, -41.6943

Sweetspot

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



45.2330, 53.6221, -25.6373



158.4390, 20.9826, -10.0320



110.1160, 10.2958, -82.5397



76.2840, 12.6780, -6.3881



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000

Same Dimension

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



45.2330, 53.6221, -25.6373



42.8720, 77.9571, -37.5987



45.4860, 53.4974, 14.4828



70.4990, 3.2050, -1.3146



29.4610, 54.4957, -25.8373



2.6560, 5.0996, -2.3293

Inverse Universe

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



59.8840, -10.2958, 82.5397



63.9750, -14.7777, 120.1709



124.5140, -53.4974, -14.4828



71.5060, -0.7425, 4.8182



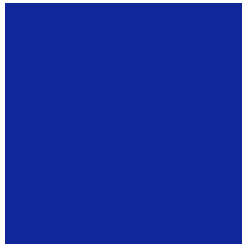
44.4820, -10.5906, 83.7693



4.1150, -1.0427, 7.7921

Previews

White Background



This preview shows how the YUV color 45.2330, 53.6221, -25.6373 looks on a white background.

Color Contrast Check

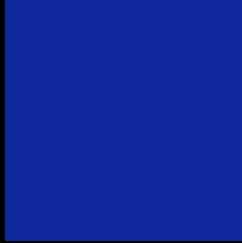
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2330, 53.6221, -25.6373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

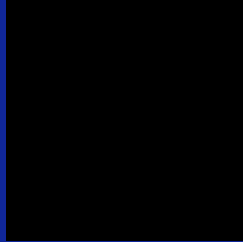
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.2330, 53.6221, -25.6373

Background



This preview shows how black text looks on a background with the YUV color 45.2330, 53.6221, -25.6373.



This preview shows how white text looks on a background with the YUV color 45.2330, 53.6221, -25.6373.

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

45.2330, 53.6221, -25.6373

Protanopia

44.6940, 34.1679, -39.1966

Deuteranopia

45.1040, 25.5847, -39.5562



Tritanopia

43.8040, 10.4496, -38.4161

Trichromacy



Original Color

45.2330, 53.6221, -25.6373

Protanomaly

45.2630, 41.2823, -34.4337

Deuteranomaly

45.1830, 35.8988, -34.3635

Tritanomaly

44.5500, 25.8579, -33.8083

Monochromacy



Original Color

45.2330, 53.6221, -25.6373

Achromatopsia

45.0000, 0.0000, 0.0000

Achromatomaly

45.0970, 19.6722, -9.7321

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.2330, 53.6221, -25.6373 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(16, 39, 154)` looks like.

```
.text, #text, p{  
    color:rgb(16, 39, 154)  
}
```

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(16, 39, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 39, 154) }
```

Border

The CSS property to change the border of an element to YUV 45.2330, 53.6221, -25.6373 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(16, 39, 154) }
```


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

```
.border{ border-color:rgb(16, 39, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 39, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 39, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 39, 154);  
box-shadow:4px 4px 4px 4px rgb(16, 39,  
154) }
```

Background

The CSS property to change the background color of an element to YUV 45.2330, 53.6221, -25.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 39, 154) }
```

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

```
.background{ background-color: rgb(16, 39,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor