

Converting Colors

RGB(45, 66, 118)

Have a look what the booklet for
RGB(45, 66, 118) contains.

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Color

RGB(45, 66, 118)

Conversions

Conversions Part 1

Format	Color
Hex	2D4276
RGB	45, 66, 118
RGB Percent	18%, 26%, 46%
CMY	0.8235, 0.7412, 0.5373
CMYK	0.62, 0.44, 0.00, 0.54
HSL	223°, 45%, 32%
HSV	223°, 62%, 46%
XYZ	6.3004, 5.7623, 17.9197
YIQ	65.6490, -29.2080, 11.7200

Conversions

Conversions Part 2

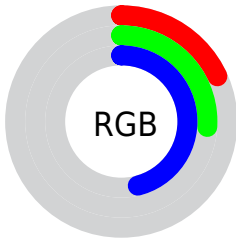
Format	Color
R_{YB}	45, 61, 118
Decimal	2966134
CIE _{Lab}	28.80, 9.23, -32.35
CIE _{LCh}	29, 33.644, 285.925
Yxy	5.7623, 0.2101, 0.1922
Android (android.graphics.Color)	4281156214 (0xFF2D4276)
YUV	65.6490, 25.8090, -18.1092
Hunter-Lab	24.0048, 4.8414, -27.4568

Details

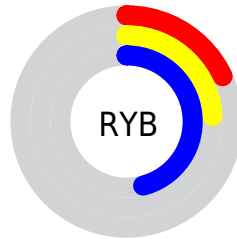
The RGB color **45, 66, 118** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **118, 97, 45**, and the grayscale version is **65, 65, 65**.

A 20% lighter version of the original color is **98, 114, 171**, and **0, 24, 69** is the 20% darker color. If you saturate the color by 10%, you get **33, 58, 118**, and if you desaturate by 10%, it is **57, 74, 118**.

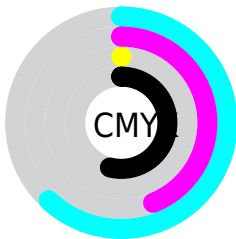
Distribution



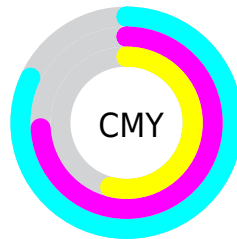
- Red (18%)
- Green (26%)
- Blue (46%)



- Red (18%)
- Yellow (24%)
- Blue (46%)



- Cyan (62%)
- Magenta (44%)
- Yellow (0%)
- Black (54%)



- Cyan (82%)
- Magenta (74%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 66, 118 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 RGB color 45, 66, 118 by changing the saturation by 10% instead.



45, 66, 118



45, 66, 118

255, 255, 255



14, 44, 93



98, 114, 171



0, 24, 69



124, 139, 198



0, 0, 47



151, 165, 226



0, 1, 25



179, 192, 255



0, 0, 0



207, 220, 255



236, 249, 255



45, 66, 118



45, 66, 118



33, 58, 118



57, 74, 118

■ 21, 49, 118

■ 69, 83, 118

■ 10, 41, 118

■ 80, 91, 118

■ 0, 34, 118

■ 92, 100, 118

■ 104, 108, 118

■ 116, 116, 118

■ 128, 125, 118

■ 139, 133, 118

■ 151, 142, 118

Harmonies

Analogous

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



0, 74, 118



45, 66, 118



87, 55, 104

Triad

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



45, 66, 118



108, 52, 31



0, 80, 54

Complementary

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



45, 66, 118



118, 97, 45

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.



38, 77, 30



45, 66, 118



92, 62, 14

Square

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



45, 66, 118



115, 44, 55



68, 71, 13



0, 80, 81

Rectangle

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



45, 66, 118



103, 48, 90



68, 71, 13



0, 79, 46

Sweetspot

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



45, 66, 118



124, 132, 153



45, 118, 96



59, 64, 77



204, 204, 204



77, 77, 77

Same Dimension

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



45, 66, 118



40, 72, 153



60, 45, 118



53, 54, 59



0, 35, 122



0, 72, 250

Inverse Universe

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



118, 45, 66



153, 40, 72



103, 118, 45



59, 53, 54



122, 0, 35



250, 0, 72

Previews

White Background



This preview shows how the RGB color 45, 66, 118 looks on a white background.

Color Contrast Check

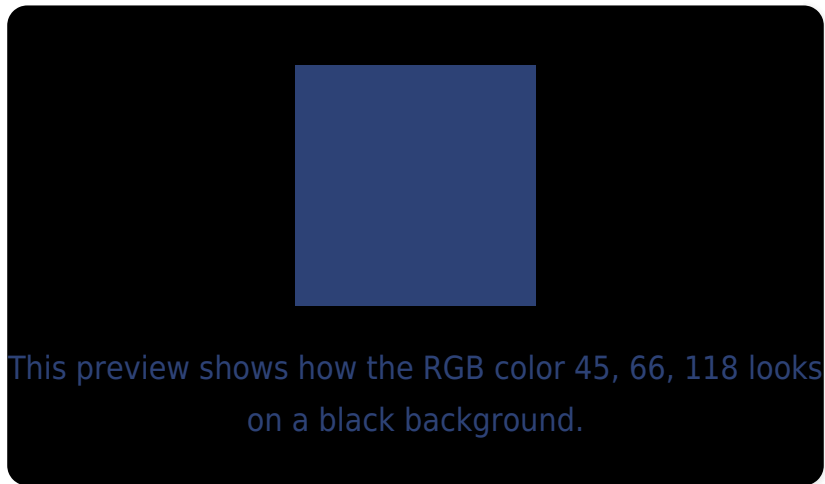
Large Text (above 18pt) WCAG AA ✓ Pass

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

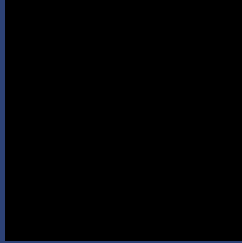
Any Text WCAG AA × Fail

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](#).

RGB 45, 66, 118 Background



This preview shows how black text looks on a background with the RGB color 45, 66, 118.



This preview shows how white text looks on a background with the RGB color 45, 66, 118.

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, 66, 118

Protanopia

44, 66, 118

Deuteranopia

29, 69, 117



Tritanopia

26, 74, 80

Trichromacy



Original Color

45, 66, 118

Protanomaly

44, 66, 118

Deuteranomaly

35, 68, 117

Tritanomaly

33, 71, 94

Monochromacy



Original Color

45, 66, 118

Achromatopsia

66, 66, 66

Achromatomaly

58, 66, 85

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 66, 118 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(45, 66, 118) looks like.

```
.text, #text, p{  
    color:rgb(45, 66, 118)  
}
```

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(45, 66, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 66, 118) }
```

Border

The CSS property to change the border of an element to RGB 45, 66, 118 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(45, 66, 118) }
```

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

```
.border{ border-color:rgb(45, 66, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 66, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 66, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 66, 118);  
box-shadow:4px 4px 4px 4px rgb(45, 66,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 45, 66, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 66, 118) }
```

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

```
.background{ background-color: rgb(45, 66,  
118) }
```

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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