

Converting Colors

`RYB(56, 84, 129)`

Have a look what the booklet for
RYB(56, 84, 129) contains.

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Color

R_YB(56, 84, 129)

Conversions

Conversions Part 1

Format	Color
Hex	386581
RGB	56, 101, 129
RGB Percent	22%, 40%, 51%
CMY	0.7804, 0.6023, 0.4941
CMYK	0.57, 0.21, 0.00, 0.49
HSL	203°, 39%, 36%
HSV	203°, 57%, 51%
XYZ	10.2881, 11.8153, 22.5072
YIQ	90.7370, -35.8080, -0.8320

Conversions

Conversions Part 2

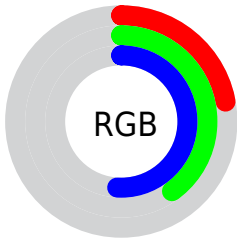
Format	Color
RYB	56, 84, 129
Decimal	3696001
CIELab	40.92, -7.06, -20.11
CIElCh	41, 21.318, 250.657
Yxy	11.8153, 0.2306, 0.2649
Android (android.graphics.Color)	4281886081 (0xFF386581)
YUV	90.7370, 18.8637, -30.4643
Hunter-Lab	34.3734, -6.7275, -14.7609

Details

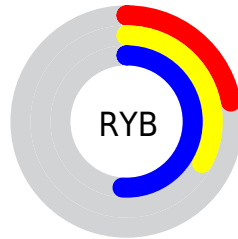
The RYB color **56, 84, 129** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **129, 101, 56**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **109, 136, 182**, and **0, 32, 80** is the 20% darker color. If you saturate the color by 10%, you get **43, 76, 129**, and if you desaturate by 10%, it is **69, 92, 129**.

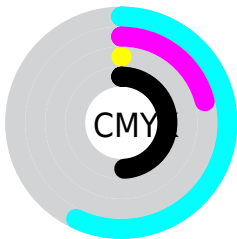
Distribution



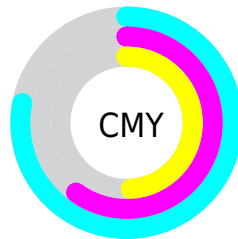
- Red (22%)
- Green (40%)
- Blue (51%)



- Red (22%)
- Yellow (33%)
- Blue (51%)



- Cyan (57%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (78%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 56, 84, 129 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 RYB color 56, 84, 129 by changing the saturation by 10% instead.

■ 56, 84, 129

■ 56, 84, 129

255, 255, 255

■ 28, 58, 104

■ 109, 136, 182

■ 0, 33, 80

■ 135, 163, 210

■ 0, 21, 57

■ 163, 191, 238

■ 0, 7, 35

■ 191, 217, 255

■ 0, 0, 11

■ 219, 237, 255

■ 0, 0, 0

■ 248, 252, 255

■ 56, 84, 129

■ 56, 84, 129

■ 43, 76, 129

■ 69, 92, 129

■ 30, 68, 129

■ 82, 100, 129

■ 17, 60, 129

■ 95, 108, 129

■ 4, 52, 129

■ 108, 116, 129

■ 0, 49, 129

■ 121, 124, 129

■ 133, 133, 129

■ 146, 141, 129

■ 159, 146, 129

■ 172, 154, 129

Harmonies

Analogous

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



38, 75, 119



56, 84, 129



83, 93, 131

Triad

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



56, 84, 129



131, 83, 91



69, 102, 88

Complementary

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



56, 84, 129



129, 101, 56

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.



68, 102, 62



56, 84, 129



129, 89, 75

Square

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



56, 84, 129



124, 85, 108



114, 118, 64



62, 90, 105

Rectangle

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



56, 84, 129



99, 92, 126



114, 118, 64



66, 101, 77

Sweetspot

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



56, 84, 129



140, 151, 168



56, 109, 129



67, 74, 84



212, 212, 212



84, 84, 84

Same Dimension

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



56, 84, 129



54, 98, 168



56, 65, 129



57, 60, 64



0, 49, 128



0, 0, 0

Inverse Universe

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



129, 56, 101



168, 54, 125



68, 129, 56



64, 57, 61



128, 0, 79



0, 0, 0

Previews

White Background



This preview shows how the RYB color 56, 84, 129 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 RYB color 56, 84, 129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

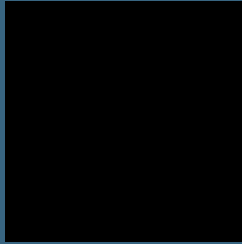
Any Text WCAG AA × Fail

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](#).

R Y B 56, 84, 129 Background



This preview shows how black text looks on a background with the R Y B color 56, 84, 129.



This preview shows how white text looks on a background with the R Y B color 56, 84, 129.

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

56, 84, 129

Protanopia

88, 94, 124

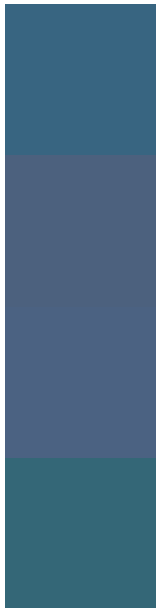
Deuteranopia

86, 93, 130



Tritanopia
50, 79, 113

Trichromacy



Original Color

56, 84, 129

Protanomaly

76, 91, 126

Deuteranomaly

75, 91, 130

Tritanomaly

52, 81, 119

Monochromacy



Original Color

56, 84, 129

Achromatopsia

91, 91, 91

Achromatomaly

78, 88, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 84, 129 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(56, 101, 129)` looks like.

```
.text, #text, p{  
    color:rgb(56, 101, 129)  
}
```

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(56, 101, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 101, 129) }
```

Border

The CSS property to change the border of an element to RYB 56, 84, 129 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(56, 101, 129) }
```

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

```
.border{ border-color:rgb(56, 101, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 101, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 101, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 101, 129);  
box-shadow:4px 4px 4px 4px rgb(56, 101,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 56, 84, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 101, 129) }
```

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

```
.background{ background-color: rgb(56, 101,  
129) }
```

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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