

Converting Colors

`RYB(72, 106, 165)`

Have a look what the booklet for
RYB(72, 106, 165) contains.

RYB(72, 106, 165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(72, 106, 165)

Conversions

Conversions Part 1

Format	Color
Hex	487EA5
RGB	72, 126, 165
RGB Percent	28%, 49%, 65%
CMY	0.7176, 0.5075, 0.3529
CMYK	0.56, 0.24, 0.00, 0.35
HSL	205°, 39%, 46%
HSV	205°, 56%, 65%
XYZ	16.8730, 18.9122, 38.3584
YIQ	114.3000, -44.7030, 0.6810

Conversions

Conversions Part 2

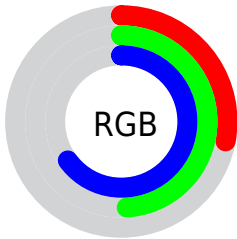
Format	Color
R_{YB}	72, 106, 165
Decimal	4751013
CIE _{Lab}	50.58, -5.99, -26.45
CIE _{LCh}	51, 27.122, 257.237
Yxy	18.9122, 0.2276, 0.2551
Android (android.graphics.Color)	4282941093 (0xFF487EA5)
YUV	114.3000, 24.9951, -37.0971
Hunter-Lab	43.4882, -6.8482, -21.8546

Details

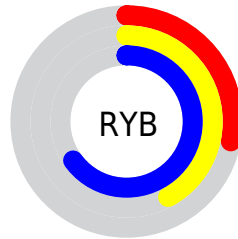
The RYB color **72, 106, 165** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **165, 139, 72**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **127, 160, 220**, and **0, 46, 113** is the 20% darker color. If you saturate the color by 10%, you get **55, 95, 165**, and if you desaturate by 10%, it is **88, 116, 165**.

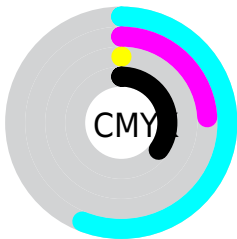
Distribution



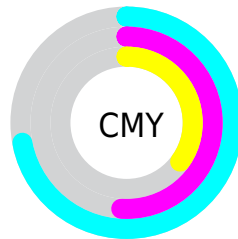
- Red (28%)
- Green (49%)
- Blue (65%)



- Red (28%)
- Yellow (42%)
- Blue (65%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)



- Cyan (72%)
- Magenta (51%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 106, 165 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 72, 106, 165 by changing the saturation by 10% instead.

■ 72, 106, 165

■ 72, 106, 165

255, 255, 255

■ 43, 79, 139

■ 127, 160, 220

■ 0, 46, 113

■ 155, 188, 249

■ 0, 33, 88

■ 183, 213, 255

■ 0, 22, 65

■ 212, 234, 255

■ 0, 6, 43

■ 241, 248, 255

■ 0, 1, 21

■ 0, 0, 0

■ 72, 106, 165

■ 72, 106, 165

■ 55, 95, 165

■ 88, 116, 165

■ 39, 85, 165

■ 105, 127, 165

■ 22, 75, 165

■ 121, 137, 165

■ 6, 64, 165

■ 138, 148, 165

■ 0, 60, 165

■ 154, 158, 165

■ 171, 171, 165

■ 187, 183, 165

■ 204, 195, 165

■ 220, 208, 165

Harmonies

Analogous

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



40, 91, 154



72, 106, 165



109, 117, 164

Triad

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



72, 106, 165



166, 103, 108



88, 129, 121

Complementary

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



72, 106, 165



165, 139, 72

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.



76, 123, 76



72, 106, 165



160, 116, 87

Square

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



72, 106, 165



159, 104, 131



125, 145, 75



68, 107, 132

Rectangle

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



72, 106, 165



131, 112, 157



125, 145, 75



83, 127, 105

Sweetspot

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



72, 106, 165



178, 191, 214



72, 138, 165



86, 94, 107



235, 235, 235



107, 107, 107

Same Dimension

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



72, 106, 165



69, 122, 214



72, 79, 165



73, 76, 82



0, 53, 145



0, 6, 18

Inverse Universe

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



165, 72, 126



214, 69, 152



81, 165, 72



82, 73, 78



145, 0, 84



18, 0, 10

Previews

White Background



This preview shows how the RYB color 72, 106, 165 looks on a white 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

Black Background



This preview shows how the RYB color 72, 106, 165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

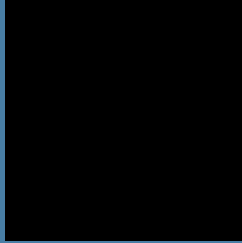
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

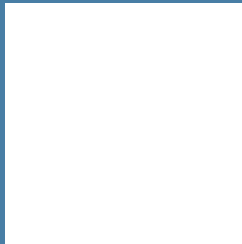
Any Text WCAG AAA × Fail

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

RYB 72, 106, 165 Background



This preview shows how black text looks on a background with the RYB color 72, 106, 165.

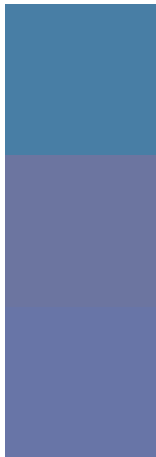


This preview shows how white text looks on a background with the RYB color 72, 106, 165.

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
72, 106, 165

Protanopia
108, 116, 160

Deuteranopia
104, 115, 167



Tritanopia
62, 99, 141

Trichromacy



Original Color

72, 106, 165

Protanomaly

95, 114, 162

Deuteranomaly

92, 113, 166

Tritanomaly

66, 102, 150

Monochromacy



Original Color

72, 106, 165

Achromatopsia

114, 114, 114

Achromatomaly

99, 111, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 106, 165 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(72, 126, 165)` looks like.

```
.text, #text, p{  
    color:rgb(72, 126, 165)  
}
```

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(72, 126, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 126, 165) }
```

Border

The CSS property to change the border of an element to RYB 72, 106, 165 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(72, 126, 165) }
```

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

```
.border{ border-color:rgb(72, 126, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 126, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 126, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 126, 165);  
box-shadow:4px 4px 4px 4px rgb(72, 126,  
165) }
```

Background

The CSS property to change the background color of an element to RGB 72, 106, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 126, 165) }
```

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

```
.background{ background-color: rgb(72, 126,  
165) }
```

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