

Converting Colors

R_YB(78, 113, 178)

Have a look what the booklet for
RYB(78, 113, 178) contains.

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Color

R_YB(78, 113, 178)

Conversions

Conversions Part 1

Format	Color
Hex	4E84B2
RGB	78, 132, 178
RGB Percent	31%, 52%, 70%
CMY	0.6941, 0.4830, 0.3020
CMYK	0.56, 0.26, 0.00, 0.30
HSL	208°, 39%, 50%
HSV	208°, 56%, 70%
XYZ	19.4082, 21.2949, 45.2069
YIQ	121.0980, -46.9500, 2.8580

Conversions

Conversions Part 2

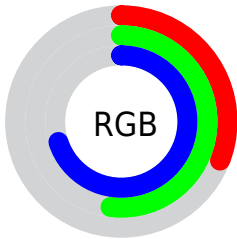
Format	Color
R_{YB}	78, 113, 178
Decimal	5145778
CIE _{Lab}	53.27, -4.15, -29.77
CIE _{LCh}	53, 30.059, 262.067
Y _{xy}	21.2949, 0.2259, 0.2479
Android (android.graphics.Color)	4283335858 (0xFF4E84B2)
YUV	121.0980, 28.0527, -37.7969
Hunter-Lab	46.1464, -5.6829, -25.7804

Details

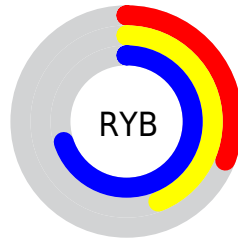
The RYB color **78, 113, 178** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **178, 163, 78**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **134, 168, 234**, and **7, 53, 125** is the 20% darker color. If you saturate the color by 10%, you get **60, 101, 178**, and if you desaturate by 10%, it is **96, 125, 178**.

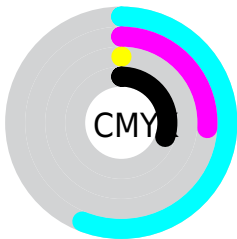
Distribution



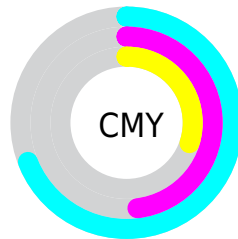
- Red (31%)
- Green (52%)
- Blue (70%)



- Red (31%)
- Yellow (44%)
- Blue (70%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (30%)



- Cyan (69%)
- Magenta (48%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 113, 178 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 78, 113, 178 by changing the saturation by 10% instead.



78, 113, 178



78, 113, 178

255, 255, 255



49, 86, 151



134, 168, 234



7, 53, 125



162, 195, 255



0, 38, 100



190, 219, 255



0, 25, 76



219, 237, 255



0, 13, 53



249, 252, 255



0, 2, 31



0, 0, 2



0, 0, 0



78, 113, 178



78, 113, 178

■ 60, 101, 178

■ 96, 125, 178

■ 42, 90, 178

■ 114, 136, 178

■ 25, 78, 178

■ 131, 147, 178

■ 7, 67, 178

■ 149, 159, 178

■ 0, 62, 178

■ 167, 171, 178

■ 185, 183, 178

■ 203, 198, 178

■ 220, 216, 178

■ 238, 231, 178

Harmonies

Analogous

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



33, 92, 167



78, 113, 178



120, 123, 175

Triad

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



78, 113, 178



178, 108, 109



95, 138, 138

Complementary

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



78, 113, 178



178, 163, 78

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.



78, 132, 85



78, 113, 178



169, 127, 87

Square

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



78, 113, 178



173, 108, 135



121, 151, 76



61, 107, 141

Rectangle

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



78, 113, 178



144, 117, 166



121, 151, 76



88, 136, 119

Sweetspot

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



78, 113, 178



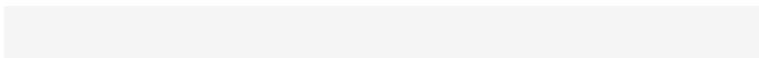
193, 207, 232



78, 147, 178



94, 102, 117



245, 245, 245



117, 117, 117

Same Dimension

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



78, 113, 178



77, 131, 232



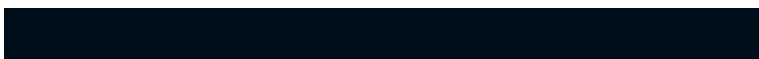
78, 83, 178



80, 83, 89



0, 53, 153



0, 9, 26

Inverse Universe

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



178, 78, 132



232, 77, 160



83, 178, 78



89, 80, 85



153, 0, 82



26, 0, 14

Previews

White Background



This preview shows how the RYB color 78, 113, 178 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 78, 113, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

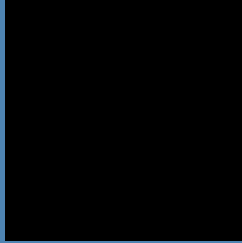
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

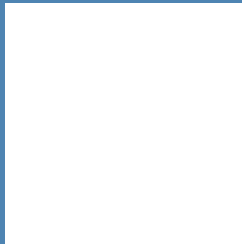
Any Text WCAG AAA × Fail

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

RYB 78, 113, 178 Background



This preview shows how black text looks on a background with the RYB color 78, 113, 178.

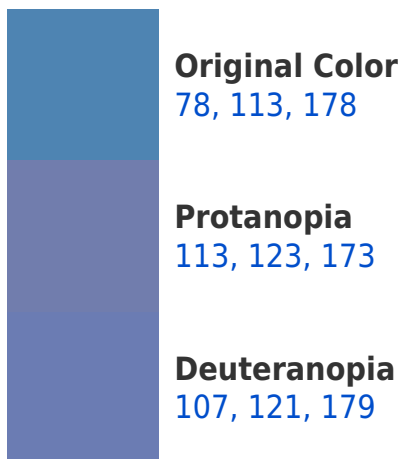


This preview shows how white text looks on a background with the RYB color 78, 113, 178.

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





Tritanopia
66, 104, 148

Trichromacy



Original Color

78, 113, 178

Protanomaly

100, 120, 175

Deuteranomaly

96, 119, 179

Tritanomaly

70, 108, 159

Monochromacy



Original Color

78, 113, 178

Achromatopsia

121, 121, 121

Achromatomaly

105, 118, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 113, 178 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(78, 132, 178)` looks like.

```
.text, #text, p{  
    color:rgb(78, 132, 178)  
}
```

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(78, 132, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 132, 178) }
```

Border

The CSS property to change the border of an element to RYB 78, 113, 178 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(78, 132, 178) }
```

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

```
.border{ border-color:rgb(78, 132, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 132, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 132, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 132, 178);  
box-shadow:4px 4px 4px 4px rgb(78, 132,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 78, 132, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 132, 178) }
```

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

```
.background{ background-color: rgb(78, 132,  
178) }
```

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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