

Converting Colors

`RYB(78, 164, 135)`

Have a look what the booklet for
RYB(78, 164, 135) contains.

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Color

$\text{RYB}(78, 164, 135)$

Conversions

Conversions Part 1

Format	Color
Hex	6BA44E
RGB	107, 164, 78
RGB Percent	42%, 64%, 31%
CMY	0.5804, 0.3569, 0.6941
CMYK	0.35, 0.00, 0.52, 0.36
HSL	100°, 36%, 47%
HSV	100°, 52%, 64%
XYZ	20.7140, 30.2268, 11.9503
YIQ	137.1530, -6.3660, -38.8300

Conversions

Conversions Part 2

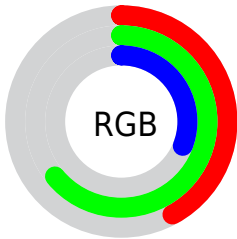
Format	Color
RYB	78, 164, 135
Decimal	7054414
CIELab	61.85, -34.66, 38.47
CIElCh	62, 51.781, 132.024
Yxy	30.2268, 0.3294, 0.4806
Android (android.graphics.Color)	4285244494 (0xFF6BA44E)
YUV	137.1530, -29.1624, -26.4442
Hunter-Lab	54.9789, -28.9608, 25.5978

Details

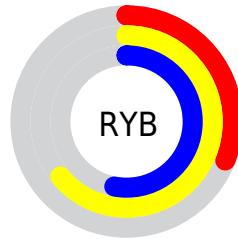
The RYB color **78, 164, 135** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **135, 78, 164**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **129, 219, 187**, and **29, 112, 86** is the 20% darker color. If you saturate the color by 10%, you get **62, 164, 130**, and if you desaturate by 10%, it is **94, 164, 140**.

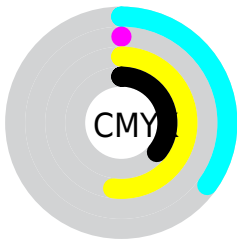
Distribution



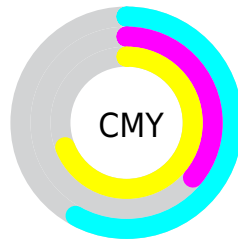
- Red (42%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (53%)



- Cyan (35%)
- Magenta (0%)
- Yellow (52%)
- Black (36%)



- Cyan (58%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 164, 135 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, 164, 135 by changing the saturation by 10% instead.



78, 164, 135



78, 164, 135

255, 255, 255



53, 137, 109



129, 219, 187



29, 112, 86



156, 248, 215



0, 87, 60



183, 255, 221



0, 63, 63



211, 255, 219



0, 41, 41



240, 255, 240



0, 12, 12



0, 0, 0



78, 164, 135



78, 164, 135



62, 164, 130



94, 164, 140

■ 45, 164, 124

■ 111, 164, 146

■ 29, 164, 119

■ 127, 164, 151

■ 12, 164, 112

■ 144, 164, 158

■ 0, 164, 109

■ 160, 164, 163

■ 172, 164, 176

■ 183, 164, 193

■ 194, 164, 209

■ 205, 164, 226

Harmonies

Analogous

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



59, 158, 54



78, 164, 135



5, 103, 170

Triad

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



78, 164, 135



0, 96, 236



235, 109, 133

Complementary

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



78, 164, 135



135, 78, 164

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.



219, 113, 179



78, 164, 135



101, 136, 239

Square

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



78, 164, 135



0, 94, 210



176, 130, 218



226, 128, 90

Rectangle

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



78, 164, 135



0, 92, 172



176, 130, 218



232, 109, 148

Sweetspot

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



78, 164, 135



180, 214, 203



124, 164, 78



87, 107, 100



235, 235, 235



107, 107, 107

Same Dimension

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



78, 164, 135



79, 214, 168



78, 153, 164



73, 82, 79



0, 145, 96



0, 18, 12

Inverse Universe

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



135, 78, 164



169, 79, 214



164, 78, 151



79, 73, 82



96, 0, 145



12, 0, 18

Previews

White Background



This preview shows how the RYB color 78, 164, 135 looks on a white 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

Black Background



This preview shows how the RYB color 78, 164, 135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

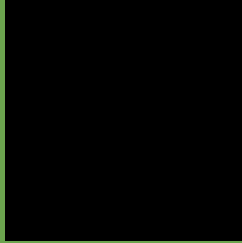
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

R Y B 78, 164, 135 Background



This preview shows how black text looks on a background with the RYB color 78, 164, 135.

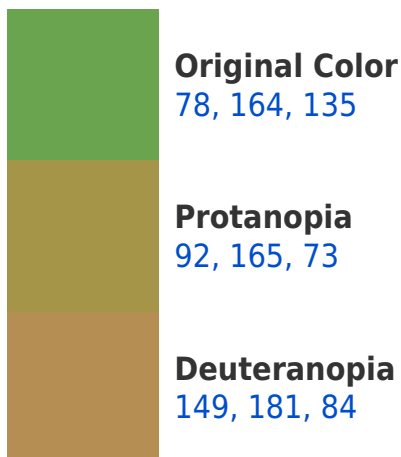


This preview shows how white text looks on a background with the RYB color 78, 164, 135.

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
121, 140, 167

Trichromacy



Original Color

78, 164, 135

Protanomaly

75, 154, 85

Deuteranomaly

86, 154, 82

Tritanomaly

116, 145, 158

Monochromacy



Original Color

78, 164, 135

Achromatopsia

137, 137, 137

Achromatomaly

116, 147, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 164, 135 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(107, 164, 78)` looks like.

```
.text, #text, p{  
    color:rgb(107, 164, 78)  
}
```

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(107, 164, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 164, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 164, 135 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(107, 164, 78) }
```

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

```
.border{ border-color:rgb(107, 164, 78) }
```

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

Here you see how a box with a 4 pixel rgb(107, 164, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 164, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 164, 78);  
box-shadow:4px 4px 4px 4px rgb(107, 164,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 164, 135 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 164, 78) }
```

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

```
.background{ background-color: rgb(107,  
164, 78) }
```

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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