

Converting Colors

`RYB(145, 240, 108)`

Have a look what the booklet for
RYB(145, 240, 108) contains.

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Color

R_YB(145, 240, 108)

Conversions

Conversions Part 1

Format	Color
Hex	F0D36C
RGB	240, 211, 108
RGB Percent	94%, 83%, 42%
CMY	0.0588, 0.1722, 0.5765
CMYK	0.00, 0.12, 0.55, 0.06
HSL	47°, 81%, 68%
HSV	47°, 55%, 94%
XYZ	61.9612, 66.2465, 23.7085
YIQ	207.9290, 50.3470, -25.8850

Conversions

Conversions Part 2

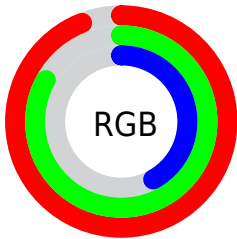
Format	Color
R_{YB}	145, 240, 108
Decimal	15782764
CIE _{Lab}	85.12, -2.33, 54.03
CIE _{LCh}	85, 54.077, 92.469
Yxy	66.2465, 0.4079, 0.4361
Android (android.graphics.Color)	4293972844 (0xFFFF0D36C)
YUV	207.9290, -49.2650, 28.1263
Hunter-Lab	81.3920, -6.5493, 39.7039

Details

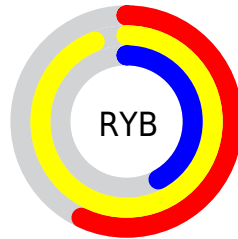
The RYB color **145, 240, 108** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **108, 132, 240**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **162, 255, 162**, and **86, 181, 56** is the 20% darker color. If you saturate the color by 10%, you get **127, 240, 84**, and if you desaturate by 10%, it is **163, 240, 132**.

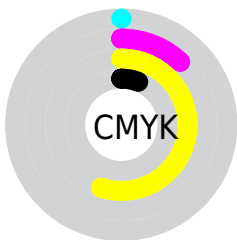
Distribution



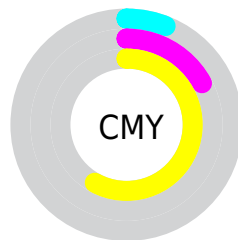
- Red (94%)
- Green (83%)
- Blue (42%)



- Red (57%)
- Yellow (94%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (55%)
- Black (6%)



- Cyan (6%)
- Magenta (17%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 240, 108 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 145, 240, 108 by changing the saturation by 10% instead.

 145, 240, 108

 145, 240, 108

255, 255, 255

 115, 210, 82

 162, 255, 162

 86, 181, 56


 190, 255, 190

 55, 153, 28

 218, 255, 218

 22, 125, 0

 247, 255, 247

 19, 98, 0

 14, 71, 0

 8, 45, 0

 2, 20, 0

 0, 0, 0

 145, 240, 108

 145, 240, 108

 127, 240, 84

 163, 240, 132

 110, 240, 60

 179, 240, 156

 94, 240, 36

 197, 240, 180

 76, 240, 12

 214, 240, 204

 68, 240, 0

 232, 240, 228

 240, 242, 252

 240, 245, 255

 240, 247, 255

 240, 248, 255

Harmonies

Analogous

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



240, 255, 123



145, 240, 108



124, 226, 163

Triad

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



145, 240, 108



0, 123, 255



255, 179, 255

Complementary

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



145, 240, 108



108, 132, 240

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.



223, 198, 255



145, 240, 108



0, 121, 255

Square

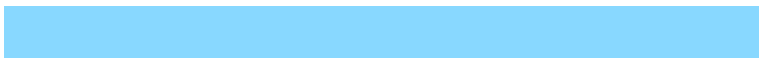
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



145, 240, 108



0, 126, 239



136, 184, 255



255, 171, 210

Rectangle

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



145, 240, 108



145, 230, 233



136, 184, 255



255, 185, 255

Sweetspot

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



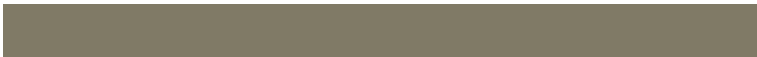
145, 240, 108



223, 255, 212



240, 108, 139



110, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



145, 240, 108



134, 255, 87



108, 240, 143



112, 120, 108



53, 184, 0



15, 56, 0

Inverse Universe

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



108, 132, 240



87, 117, 255



143, 108, 240



108, 110, 120



0, 33, 184



0, 10, 56

Previews

White Background



This preview shows how the RYB color 145, 240, 108 looks on a white background.

Color Contrast Check

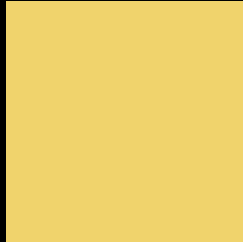
Large Text (above 18pt) WCAG AA × Fail

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 145, 240, 108 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_YB 145, 240, 108 Background



This preview shows how black text looks on a background with the R_YB color 145, 240, 108.

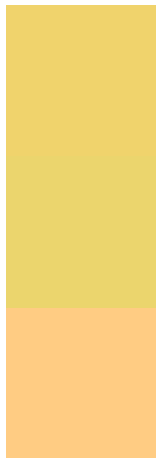


This preview shows how white text looks on a background with the R_YB color 145, 240, 108.

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
145, 240, 108

Protanopia
136, 235, 109

Deuteranopia
218, 255, 131



Tritanopia
250, 199, 215

Trichromacy



Original Color
145, 240, 108

Protanomaly
140, 237, 109

Deuteranomaly
188, 250, 123

Tritanomaly
246, 220, 176

Monochromacy



Original Color
145, 240, 108

Achromatopsia
208, 208, 208

Achromatomaly
186, 220, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 240, 108 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(240, 211, 108)` looks like.

```
.text, #text, p{  
    color:rgb(240, 211, 108)  
}
```

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(240, 211, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 211, 108) }
```

Border

The CSS property to change the border of an element to RYB 145, 240, 108 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(240, 211, 108) }
```

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

```
.border{ border-color:rgb(240, 211, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 211, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 211, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 211, 108);  
box-shadow:4px 4px 4px 4px rgb(240, 211,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 145, 240, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 211, 108) }
```

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

```
.background{ background-color: rgb(240,  
211, 108) }
```

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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