

Converting Colors

`RYB(62, 144, 255)`

Have a look what the booklet for
RYB(62, 144, 255) contains.

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Color

`RYB(62, 144, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	3ECDFF
RGB	62, 205, 255
RGB Percent	24%, 80%, 100%
CMY	0.7569, 0.1977, 0.0000
CMYK	0.76, 0.20, 0.00, 0.00
HSL	196°, 100%, 62%
HSV	196°, 76%, 100%
XYZ	41.7668, 51.7045, 102.3864
YIQ	167.9430, -101.2780, -14.7660

Conversions

Conversions Part 2

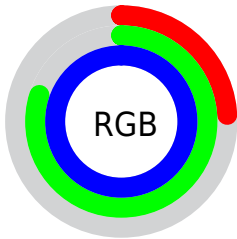
Format	Color
RYB	62, 144, 255
Decimal	4115967
CIELab	77.10, -21.18, -35.42
CIELCh	77, 41.265, 239.122
Yxy	51.7045, 0.2133, 0.2640
Android (android.graphics.Color)	4282306047 (0xFF3ECDFF)
YUV	167.9430, 42.9191, -92.9120
Hunter-Lab	71.9058, -22.1528, -34.0887

Details

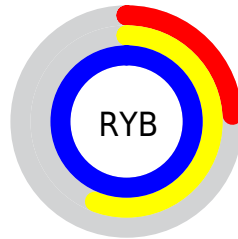
The RYB color **62, 144, 255** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **255, 129, 62**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **135, 195, 255**, and **0, 86, 198** is the 20% darker color. If you saturate the color by 10%, you get **36, 129, 255**, and if you desaturate by 10%, it is **88, 159, 255**.

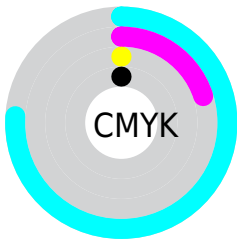
Distribution



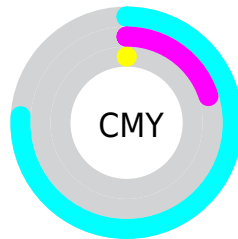
- Red (24%)
- Green (80%)
- Blue (100%)



- Red (24%)
- Yellow (56%)
- Blue (100%)



- Cyan (76%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



















- Cyan (76%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 62, 144, 255 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 62, 144, 255 by changing the saturation by 10% instead.

 62, 144, 255	 62, 144, 255
 255, 255, 255	 0, 99, 226
 135, 195, 255	 0, 85, 198
 168, 212, 255	 0, 72, 171
 199, 227, 255	 0, 59, 144
 231, 243, 255	 0, 46, 118
	 0, 33, 93
	 0, 22, 69
	 0, 4, 47
	 0, 1, 25

■ 62, 144, 255

■ 62, 144, 255

■ 36, 129, 255

■ 88, 159, 255

■ 11, 115, 255

■ 113, 173, 255

■ 0, 108, 255

■ 139, 188, 255

■ 164, 203, 255

■ 190, 218, 255

■ 215, 232, 255

■ 241, 247, 255

255, 255, 255

Harmonies

Analogous

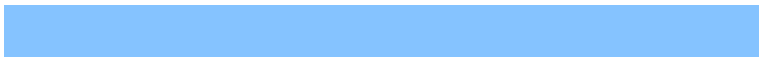
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18, 118, 226



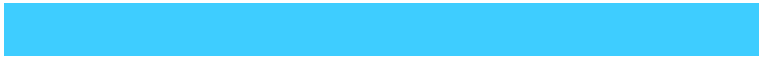
62, 144, 255



133, 174, 255

Triad

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



62, 144, 255



255, 161, 193



122, 199, 144

Complementary

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



62, 144, 255



255, 129, 62

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.



151, 216, 113



62, 144, 255



255, 165, 155

Square

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



62, 144, 255



237, 168, 230



247, 206, 126



131, 192, 207

Rectangle

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



62, 144, 255



174, 184, 255



247, 206, 126



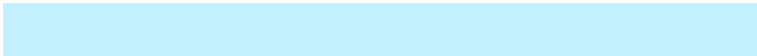
117, 196, 122

Sweetspot

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



62, 144, 255



196, 221, 255



62, 217, 255



92, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



62, 144, 255



23, 121, 255



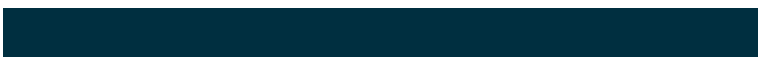
62, 100, 255



115, 120, 128



0, 81, 191



0, 27, 64

Inverse Universe

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



255, 62, 205



255, 23, 194



126, 255, 62



128, 115, 124



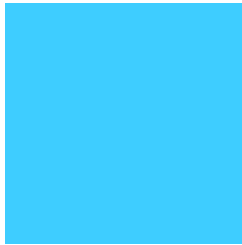
191, 0, 141



64, 0, 47

Previews

White Background



This preview shows how the RYB color 62, 144, 255 looks on a white background.

Color Contrast Check

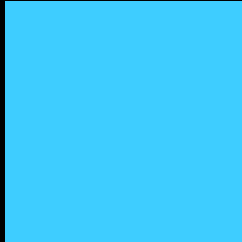
Large Text (above 18pt) WCAG AA × Fail

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 62, 144, 255 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

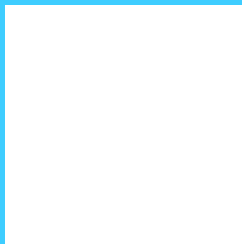
Any Text WCAG AAA ✓ Pass

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

RGB 62, 144, 255 Background



This preview shows how black text looks on a background with the RGB color 62, 144, 255.



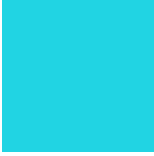
This preview shows how white text looks on a background with the RGB color 62, 144, 255.

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
33, 126, 227

Trichromacy



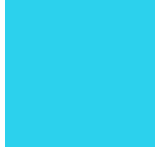
Original Color
62, 144, 255



Protanomaly
134, 173, 247



Deuteranomaly
130, 172, 255



Tritanomaly
44, 133, 237

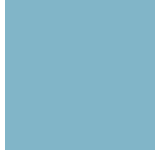
Monochromacy



Original Color
62, 144, 255



Achromatopsia
168, 168, 168



Achromatomaly
129, 159, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 62, 144, 255 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(62, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 205, 255)  
}
```

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(62, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 205, 255) }
```

Border

The CSS property to change the border of an element to RYB 62, 144, 255 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(62, 205, 255) }
```

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

```
.border{ border-color:rgb(62, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 205,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 62, 144, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 205, 255) }
```

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

```
.background{ background-color: rgb(62, 205,  
255) }
```

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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