# Converting Colors

RYB(64, 144, 226)

Have a look what the booklet for RYB(64, 144, 226) contains.

# Color

**RYB(64, 144, 226)**

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | 40DEE2 |
| RGB | 64, 222, 226 |
| RGB Percent | 25%, 87%, 89% |
| CMY | 0.7490, 0.1292, 0.1137 |
| CMYK | 0.72, 0.02, 0.00, 0.11 |
| HSL | 181°, 74%, 57% |
| HSV | 181°, 72%, 89% |
| XYZ | 41.9761, 58.8494, 81.0982 |
| YIQ | 175.2140, -95.4520, -32.2520 |

# Conversions

Conversions Part 2

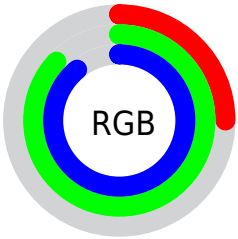
| Format | Color |
|---|---|
| RYB | 64, 144, 226 |
| Decimal | 4251362 |
| CIELab | 81.21, -38.24, -13.69 |
| CIELCh | 81, 40.615, 199.700 |
| Yxy | 58.8494, 0.2307, 0.3235 |
| Android (android.graphics.Color) | 4282441442 (0xFF40DEE2) |
| YUV | 175.2140, 25.0375, -97.5347 |
| Hunter-Lab | 76.7134, -36.5768, -8.9796 |

# Details

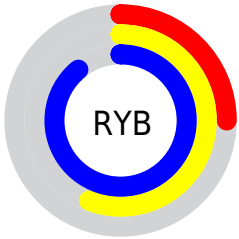
The RYB color 64, 144, 226 is a light color, and the websafe version is hex 33CCCC. The color can be described as light muted cyan. A complement of this color would be 226, 68, 64, and the grayscale version is 175, 175, 175.

A 20% lighter version of the original color is 135, 195, 255, and 0, 84, 171 is the 20% darker color. If you saturate the color by 10%, you get 41, 132, 226, and if you desaturate by 10%, it is 87, 156, 226.

# Distribution

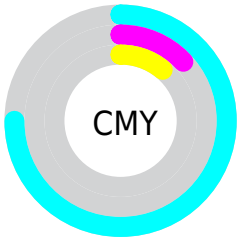



- Red (25%)
- Green (87%)
- Blue (89%)




- Red (25%)
- Yellow (56%)
- Blue (89%)


- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)




- Cyan (75%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 64, 144, 226 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 64, 144, 226 by changing the saturation by 10% instead.

64, 144, 226

255, 255, 255

135, 195, 255

167, 211, 255

198, 227, 255

229, 242, 255

64, 144, 226

0, 98, 198

0, 84, 171

0, 71, 144

0, 58, 119

0, 45, 94

0, 33, 70

0, 22, 48

0, 7, 28

0, 0, 0

64, 144, 226

41, 132, 226

19, 121, 226

0, 111, 226

64, 144, 226

87, 156, 226

109, 167, 226

132, 178, 226

154, 189, 226

177, 201, 226

200, 213, 226

222, 224, 226

245, 226, 226

255, 227, 226

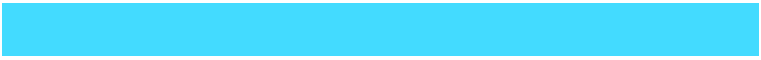
# Harmonies

## Analogous

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

111, 176, 221

64, 144, 226



67, 151, 255

# Triad

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

64, 144, 226

237, 183, 251

199, 239, 127

# Complementary

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

64, 144, 226

226, 68, 64

# 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.



255, 201, 145

64, 144, 226



255, 174, 216

# Square

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

64, 144, 226



187, 196, 255

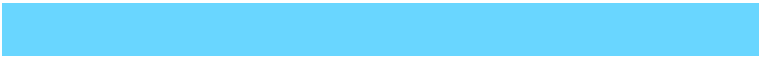
255, 173, 178

129, 207, 134

# Rectangle

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

64, 144, 226



105, 168, 255

255, 173, 178



249, 249, 131

# Sweetspot

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

64, 144, 226



199, 227, 255

64, 223, 226

94, 111, 128

0, 0, 0

128, 128, 128

# Same Dimension

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

64, 144, 226

36, 144, 255

64, 117, 226

101, 107, 112

0, 87, 176

0, 24, 48

# Inverse Universe

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

226, 64, 222

255, 36, 250

214, 226, 64

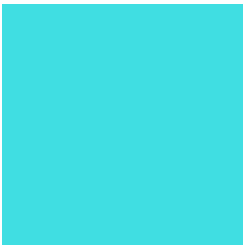
112, 101, 112

176, 0, 172

48, 0, 47

# Previews

## White Background

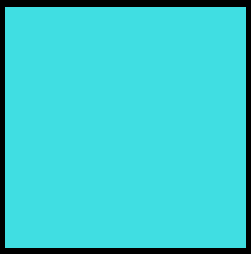


This preview shows how the RYB color 64, 144, 226 looks on a white background.

### 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



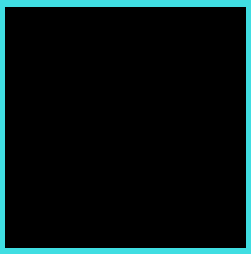
This preview shows how the RYB color 64, 144, 226 looks on a black background.

### 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.

# RYB 64, 144, 226 Background



This preview shows how black text looks on a background with the RYB color 64, 144, 226.

This preview shows how white text looks on a background with the RYB color 64, 144, 226.

# 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

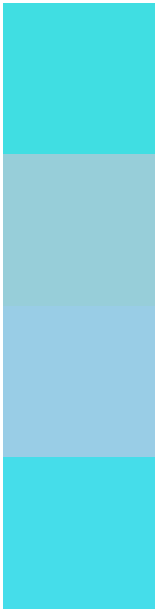
**Original Color**
64, 144, 226

**Protanopia**
200, 199, 212

**Deuteranopia**
204, 195, 232

**Tritanopia**
72, 150, 238

# Trichromacy



**Original Color**
64, 144, 226

**Protanomaly**
151, 181, 217

**Deuteranomaly**
153, 184, 230

**Tritanomaly**
69, 148, 234

# Monochromacy

**Original Color**
64, 144, 226

**Achromatopsia**
175, 175, 175

**Achromatomaly**
135, 164, 194

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 64, 144, 226 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(64, 222, 226) looks like.

```
.text, #text, p{
    color:rgb(64, 222, 226)
}
```

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(64, 222, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 222, 226) }
```

# Border

The CSS property to change the border of an element to RYB 64, 144, 226 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(64, 222, 226) }
```

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

```
.border{ border-color:rgb(64, 222, 226) }
```

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

Here you see how a box with a 4 pixel rgb(64, 222, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(64, 222, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(64, 222, 226); box-shadow:4px 4px 4px 4px rgb(64, 222, 226) }
```

# Background

The CSS property to change the background color of an element to RYB 64, 144, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(64, 222, 226) }
```

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

```
.background{ background-color:rgb(64, 222,
226) }
```

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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