

Converting Colors

`RYB(62, 125, 217)`

Have a look what the booklet for
RYB(62, 125, 217) contains.

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Color

$\text{RYB}(62, 125, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	3EA8D9
RGB	62, 168, 217
RGB Percent	24%, 66%, 85%
CMY	0.7569, 0.3406, 0.1490
CMYK	0.71, 0.23, 0.00, 0.15
HSL	199°, 67%, 55%
HSV	199°, 71%, 85%
XYZ	28.5397, 34.0914, 70.7217
YIQ	141.8920, -78.9050, -7.2330

Conversions

Conversions Part 2

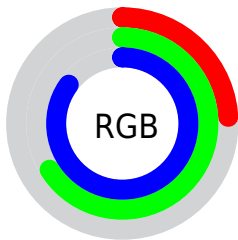
Format	Color
R _Y B	62, 125, 217
Decimal	4106457
CIE Lab	65.04, -14.47, -33.49
CIE LCh	65, 36.483, 246.629
Yxy	34.0914, 0.2140, 0.2556
Android (android.graphics.Color)	4282296537 (0xFF3EA8D9)
YUV	141.8920, 37.0282, -70.0653
Hunter-Lab	58.3878, -14.9286, -30.9430

Details

The RYB color **62, 125, 217** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **217, 134, 62**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **128, 182, 255**, and **0, 68, 162** is the 20% darker color. If you saturate the color by 10%, you get **40, 112, 217**, and if you desaturate by 10%, it is **84, 138, 217**.

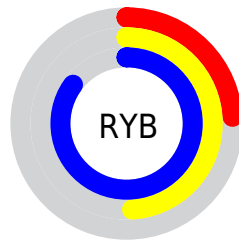
Distribution



Red (24%)

Green (66%)

Blue (85%)



Red (24%)

Yellow (49%)

Blue (85%)

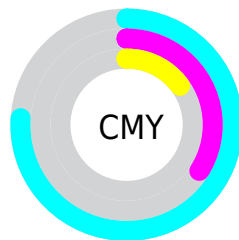


Cyan (71%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (76%)


















Magenta (34%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 62, 125, 217 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, 125, 217 by changing the saturation by 10% instead.

 62, 125, 217	 62, 125, 217
 255, 255, 255	 4, 83, 189
 128, 182, 255	 0, 68, 162
 158, 206, 255	 0, 55, 135
 188, 222, 255	 0, 42, 110
 219, 237, 255	 0, 30, 85
 249, 252, 255	 0, 19, 62
	 0, 3, 40
	 0, 1, 17
	 0, 0, 0

■ 62, 125, 217

■ 62, 125, 217

■ 40, 112, 217

■ 84, 138, 217

■ 19, 99, 217

■ 105, 151, 217

■ 0, 88, 217

■ 127, 164, 217

■ 149, 177, 217

■ 171, 190, 217

■ 192, 202, 217

■ 214, 215, 217

■ 236, 226, 217

■ 255, 237, 217

Harmonies

Analogous

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



0, 92, 196



62, 125, 217



122, 149, 222

Triad

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



62, 125, 217



220, 132, 152



104, 167, 134

Complementary

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



62, 125, 217



217, 134, 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.



109, 172, 92



62, 125, 217



218, 141, 120

Square

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



62, 125, 217



205, 136, 184



200, 192, 98



97, 150, 173

Rectangle

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



62, 125, 217



156, 151, 216



200, 192, 98



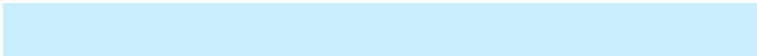
98, 165, 114

Sweetspot

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



62, 125, 217



201, 223, 255



62, 181, 217



96, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



62, 125, 217



36, 125, 255



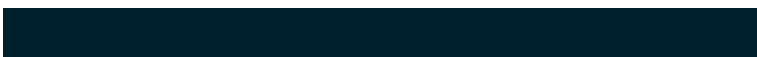
62, 88, 217



99, 103, 110



0, 71, 173



0, 19, 46

Inverse Universe

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



217, 62, 168



255, 36, 186



101, 217, 62



110, 99, 106



173, 0, 119



46, 0, 31

Previews

White Background



This preview shows how the RYB color 62, 125, 217 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, 125, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

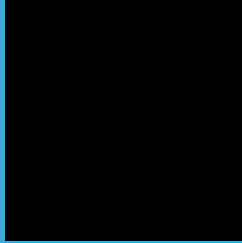
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

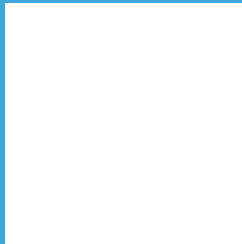
Any Text WCAG AAA ✓ Pass

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

RYB 62, 125, 217 Background



This preview shows how black text looks on a background with the RYB color 62, 125, 217.

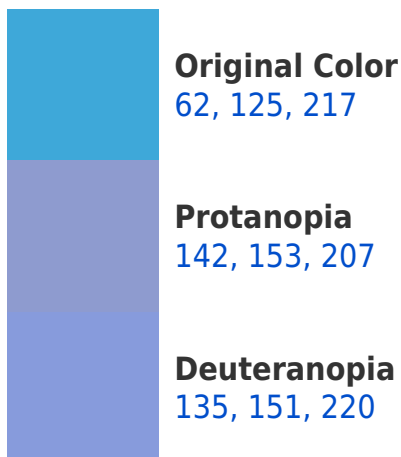


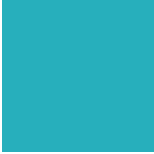
This preview shows how white text looks on a background with the RYB color 62, 125, 217.

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



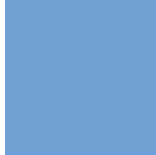


Tritanopia
39, 110, 188

Trichromacy



Original Color
62, 125, 217



Protanomaly
113, 145, 211



Deuteranomaly
108, 143, 219



Tritanomaly
47, 115, 199

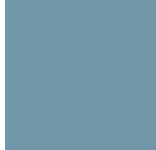
Monochromacy



Original Color
62, 125, 217



Achromatopsia
142, 142, 142



Achromatomaly
113, 136, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 62, 125, 217 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, 168, 217)` looks like.

```
.text, #text, p{  
    color:rgb(62, 168, 217)  
}
```

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, 168, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 168, 217) }
```

Border

The CSS property to change the border of an element to RYB 62, 125, 217 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, 168, 217) }
```

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

```
.border{ border-color:rgb(62, 168, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 168, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(62, 168, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(62, 168, 217); box-shadow:4px 4px 4px 4px rgb(62, 168, 217) }
```

Background

The CSS property to change the background color of an element to RGB 62, 125, 217 is called "background".

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

```
.background, #background, body{  
background: rgb(62, 168, 217) }
```

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

```
.background{ background-color: rgb(62, 168,  
217) }
```

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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