

Converting Colors

`RYB(23, 87, 232)`

Have a look what the booklet for
RYB(23, 87, 232) contains.

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Color

R_YB(23, 87, 232)

Conversions

Conversions Part 1

Format	Color
Hex	1773E8
RGB	23, 115, 232
RGB Percent	9%, 45%, 91%
CMY	0.9098, 0.5480, 0.0902
CMYK	0.90, 0.50, 0.00, 0.09
HSL	214°, 82%, 50%
HSV	214°, 90%, 91%
XYZ	21.0779, 18.3265, 78.7704
YIQ	100.8300, -92.3890, 16.8830

Conversions

Conversions Part 2

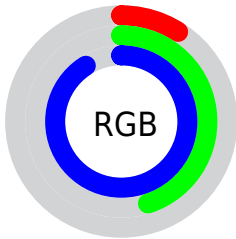
Format	Color
R _Y B	23, 87, 232
Decimal	1537000
CIE Lab	49.89, 18.64, -65.94
CIE LCh	50, 68.521, 285.783
Yxy	18.3265, 0.1784, 0.1551
Android (android.graphics.Color)	4279727080 (0xFF1773E8)
YUV	100.8300, 64.6668, -68.2569
Hunter-Lab	42.8095, 12.9707, -79.1282

Details

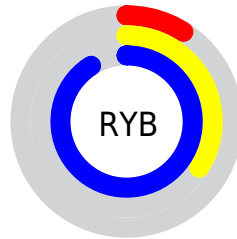
The RYB color **23, 87, 232** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **187, 232, 23**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **111, 151, 255**, and **0, 49, 175** is the 20% darker color. If you saturate the color by 10%, you get **0, 71, 232**, and if you desaturate by 10%, it is **46, 103, 232**.

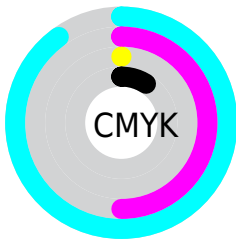
Distribution



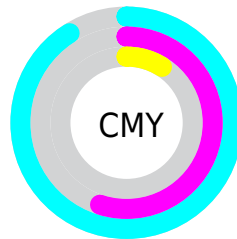
- Red (9%)
- Green (45%)
- Blue (91%)



- Red (9%)
- Yellow (34%)
- Blue (91%)



- Cyan (90%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)




















- Cyan (91%)
- Magenta (55%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 87, 232 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 23, 87, 232 by changing the saturation by 10% instead.

 23, 87, 232	 23, 87, 232
 255, 255, 255	 0, 63, 203
 111, 151, 255	 0, 49, 175
 144, 178, 255	 0, 36, 148
 175, 204, 255	 0, 23, 122
 207, 229, 255	 0, 1, 96
 238, 247, 255	 0, 7, 71
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 23, 87, 232

■ 23, 87, 232

■ 0, 71, 232

■ 46, 103, 232

■ 69, 119, 232

■ 93, 135, 232

■ 116, 151, 232

■ 139, 167, 232

■ 162, 183, 232

■ 185, 200, 232

■ 209, 216, 232

■ 232, 232, 232

Harmonies

Analogous

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



0, 85, 232



23, 87, 232



158, 87, 201

Triad

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



23, 87, 232



203, 93, 35



0, 89, 143

Complementary

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



23, 87, 232



187, 232, 23

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.



24, 137, 124



23, 87, 232



94, 166, 0

Square

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



23, 87, 232



220, 51, 91



0, 125, 10



0, 73, 149

Rectangle

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



23, 87, 232



196, 65, 168



0, 125, 10



0, 95, 141

Sweetspot

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



23, 87, 232



186, 207, 255



23, 158, 232



87, 100, 128



0, 0, 0



128, 128, 128

Same Dimension

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



23, 87, 232



0, 78, 255



33, 23, 232



103, 107, 115



0, 55, 179



0, 16, 51

Inverse Universe

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



232, 23, 115



255, 0, 113



23, 232, 33



115, 103, 108



179, 0, 79



51, 0, 23

Previews

White Background



This preview shows how the RYB color 23, 87, 232 looks on a white background.

Color Contrast Check

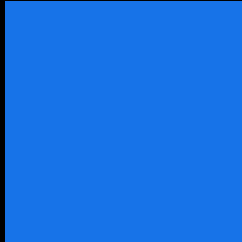
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 23, 87, 232 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

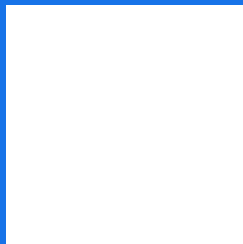
Any Text WCAG AAA × Fail

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

RYB 23, 87, 232 Background



This preview shows how black text looks on a background with the RYB color 23, 87, 232.



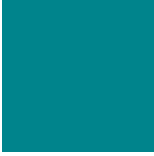
This preview shows how white text looks on a background with the RYB color 23, 87, 232.

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
0, 68, 140

Trichromacy



Original Color
23, 87, 232

Protanomaly
38, 93, 231

Deuteranomaly
8, 81, 218

Tritanomaly
8, 76, 173

Monochromacy



Original Color
23, 87, 232

Achromatopsia
101, 101, 101

Achromatomaly
73, 96, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 87, 232 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(23, 115, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 115, 232)  
}
```

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(23, 115, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 115, 232) }
```

Border

The CSS property to change the border of an element to RYB 23, 87, 232 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(23, 115, 232) }
```

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

```
.border{ border-color:rgb(23, 115, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 115, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 115, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 115, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 115,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 23, 115, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 115, 232) }
```

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

```
.background{ background-color: rgb(23, 115,  
232) }
```

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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