

Converting Colors

Hex(2238A1)

Have a look what the booklet for
Hex(2238A1) contains.

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Color

Hex(2238A1)

Conversions

Conversions Part 1

Format	Color
Hex	2238A1
RGB	34, 56, 161
RGB Percent	13%, 22%, 63%
CMY	0.8667, 0.7804, 0.3686
CMYK	0.79, 0.65, 0.00, 0.37
HSL	230°, 65%, 38%
HSV	230°, 79%, 63%
XYZ	8.5069, 5.7416, 34.3781
YIQ	61.3920, -46.8170, 27.9910

Conversions

Conversions Part 2

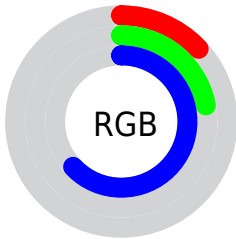
Format	Color
R_{YB}	34, 53, 161
Decimal	2242721
CIE _{Lab}	28.75, 30.76, -59.03
CIE _{LCh}	29, 66.566, 297.526
Yxy	5.7416, 0.1749, 0.1181
Android (android.graphics.Color)	4280432801 (0xFF2238A1)
YUV	61.3920, 49.1067, -24.0228
Hunter-Lab	23.9617, 21.4380, -68.2907

Details

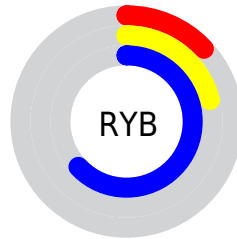
The Hex color **2238A1** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A18B22**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **6467D9**, and **00106C** is the 20% darker color. If you saturate the color by 10%, you get **122BA1**, and if you desaturate by 10%, it is **3245A1**.

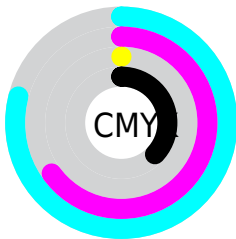
Distribution



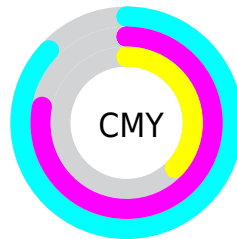
- Red (13%)
- Green (22%)
- Blue (63%)



- Red (13%)
- Yellow (21%)
- Blue (63%)



- Cyan (79%)
- Magenta (65%)
- Yellow (0%)
- Black (37%)



- Cyan (87%)
- Magenta (78%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2238A1 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 Hex color 2238A1 by changing the saturation by 10% instead.

■ 2238A1

■ 2238A1

FFFFFF

■ 002386

■ 6467D9

■ 00106C

■ 8280F6

■ 000053

■ 9F9AFF

■ 00063B

■ BCB5FF

■ 000224

■ DAD0FF

■ 00000C

■ F8EDFF

■ 000000

■ 2238A1

■ 2238A1

■ 122BA1

■ 3245A1

■ 021DA1

■ 4253A1

■ 001CA1

■ 5260A1

■ 626DA1

■ 727BA1

■ 8388A1

■ 9395A1

■ A3A2A1

■ B3B0A1

Harmonies

Analogous

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



004DAD



2238A1



7A077C

Triad

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



2238A1



7D2600



00573E

Complementary

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



2238A1



A18B22

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.



005400



2238A1



584100

Square

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



2238A1



950018



234E00



005873

Rectangle

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



2238A1



91005C



234E00



00562C

Sweetspot

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



2238A1



9FA8D1



22A18A



4A4F69



E8E8E8



696969

Same Dimension

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



2238A1



0A2DD1



4A22A1



494B52



001991



000312

Inverse Universe

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



A12238



D10A2D



79A122



52494B



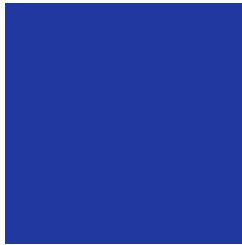
910019



120003

Previews

White Background



This preview shows how the Hex color 2238A1 looks on a white background.

Color Contrast Check

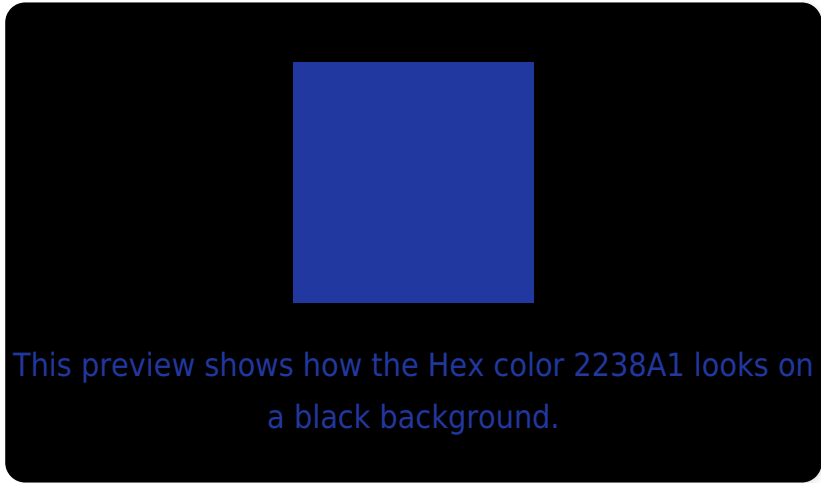
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

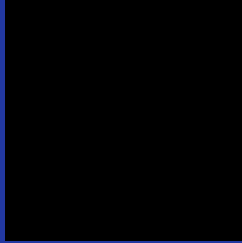
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 2238A1 Background



This preview shows how black text looks on a background with the Hex color 2238A1.



This preview shows how white text looks on a background with the Hex color 2238A1.

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
2238A1

Protanopia
00418A

Deuteranopia
004676

Trichromacy



Original Color
2238A1

Protanomaly
0C3E92

Deuteranomaly
0C4186

Monochromacy



Original Color
2238A1

Achromatopsia
3D3D3D

Achromatomaly
333B61

CSS Examples

Text

The CSS property to change the color of the text to Hex 2238A1 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 #2238A1 looks like.

```
.text, #text, p{  
    color:#2238A1  
}
```

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 #2238A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2238A1
}
```

Border

The CSS property to change the border of an element to Hex 2238A1 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
#2238A1 }
```

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

```
.border{ border-color:#2238A1 }
```

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

Here you see how a box with a 4 pixel #2238A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2238A1; -webkit-box-shadow:4px 4px  
4px 4px #2238A1; box-shadow:4px 4px 4px  
4px #2238A1 }
```

Background

The CSS property to change the background color of an element to Hex 2238A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2238A1 }
```

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

```
.background{ background-color:#2238A1 }
```

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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