

Converting Colors

XYZ(13.2464, 18.2229, 23.9559)

Have a look what the booklet for
XYZ(13.2464, 18.2229, 23.9559)
contains.

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Color

**XYZ(13.2308, 18.2053,
23.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	308282
RGB	48, 130, 130
RGB Percent	19%, 51%, 51%
CMY	0.8117, 0.4902, 0.4902
CMYK	0.63, 0.00, 0.00, 0.49
HSL	180°, 46%, 35%
HSV	180°, 63%, 51%
XYZ	13.2308, 18.2053, 23.9357
YIQ	105.4820, -48.8720, -17.3840

Conversions

Conversions Part 2

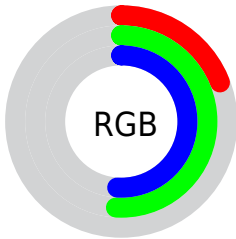
Format	Color
RYB	48, 89, 130
Decimal	3179138
CIELab	49.74, -24.25, -7.35
CIELCh	50, 25.339, 196.869
Yxy	18.2053, 0.2389, 0.3288
Android (android.graphics.Color)	4281369218 (0xFF308282)
YUV	105.4820, 12.0874, -50.4117
Hunter-Lab	42.6677, -19.3174, -3.3931




Details

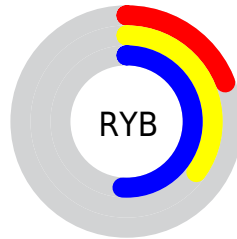
The XYZ color **13.2308, 18.2053, 23.9357** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7970, 7.0737, 3.5932**, and the grayscale version is **13.5363, 14.2413, 15.5087**.




A 20% lighter version of the original color is **31.3064, 40.2891, 50.9263**, and **4.3539, 6.3314, 8.7772** is the 20% darker color. If you saturate the color by 10%, you get **12.7055, 17.9349, 23.9115**, and if you desaturate by 10%, it is **13.9370, 18.5698, 23.9692**.

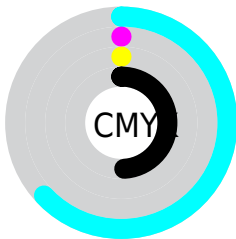
Distribution







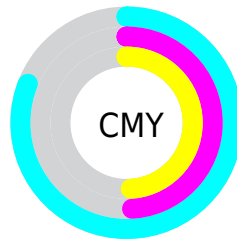
-  Red (19%)
-  Green (51%)
-  Blue (51%)






-  Red (19%)
-  Yellow (35%)
-  Blue (51%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (81%)
-  Magenta (49%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2308, 18.2053, 23.9357 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 XYZ color 13.2308, 18.2053, 23.9357 by changing the saturation by 10% instead.

■ 13.2308, 18.2053,
23.9357

■ 13.2308, 18.2053,
23.9357

205.9994,
242.0257, 285.7713

■ 7.6658, 11.0975,
15.0742

■ 31.3156, 40.3868,
50.8678

■ 3.9318, 6.1324,
8.7243

■ 44.5661, 56.2294,
69.7754

■ 1.6636, 2.9258,
4.4674

■ 61.1091, 75.7522,
92.8688

■ 0.4333, 1.0931,
1.8851

■ 81.3100, 99.3398,
120.5665

■ 0.0000, 0.0000,
0.4832

■ 105.5341,
127.3766, 153.2871

■ 0.0000, 0.0000,
0.0000

■ 134.1468,

160.2469, 191.4490

167.5135,
198.3351, 235.4709

■ 13.2308, 18.2053,
23.9357

■ 13.2308, 18.2053,
23.9357

■ 12.7055, 17.9349,
23.9115

■ 13.9370, 18.5698,
23.9692

■ 12.3432, 17.7481,
23.8944

■ 14.8367, 19.0336,
24.0114

■ 12.1249, 17.6356,
23.8842

■ 15.9432, 19.6040,
24.0632

■ 12.0122, 17.5775,
23.8789

■ 17.2684, 20.2872,
24.1253

■ 18.8230, 21.0886,
24.1981

■ 20.6173, 22.0136,
24.2821

■ 22.6607, 23.0670,
24.3778

■ 24.9623, 24.2535,
24.4856

■ 27.5307, 25.5776,
24.6059

Harmonies

Analogous

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



13.1654, 18.2053, 16.9532



13.2308, 18.2053, 23.9357



14.3202, 18.2053, 31.1929

Triad

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



13.2308, 18.2053, 23.9357



20.9170, 18.2053, 30.3708



18.3797, 18.2053, 9.4902

Complementary

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



13.2308, 18.2053, 23.9357



10.7970, 7.0737, 3.5932

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.



20.6750, 18.2053, 11.6175



13.2308, 18.2053, 23.9357



22.2291, 18.2053, 22.9986

Square

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



13.2308, 18.2053, 23.9357



18.6858, 18.2053, 35.4598



22.1366, 18.2053, 16.2097



15.9913, 18.2053, 9.6282

Rectangle

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



13.2308, 18.2053, 23.9357



15.5434, 18.2053, 34.7329



22.1366, 18.2053, 16.2097



19.1919, 18.2053, 9.9384

Sweetspot

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



13.2313, 18.2060, 23.9361



31.3598, 36.2158, 42.5298



9.8011, 16.8414, 5.5310



6.9545, 8.1233, 9.6197



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.2313, 18.2060, 23.9361



22.0442, 31.4135, 42.0932



8.9360, 9.6151, 22.5047



4.4464, 4.8869, 5.5222



11.5174, 16.8536, 22.8954



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7970, 7.0737, 3.5932



17.3742, 10.0578, 3.0684



13.1998, 11.8794, 4.3940



4.3278, 4.3443, 4.5306



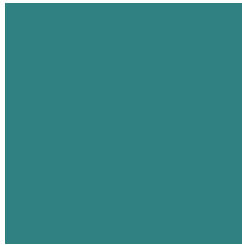
8.8271, 4.5505, 0.4131



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2308, 18.2053, 23.9357 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 XYZ color 13.2308, 18.2053, 23.9357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

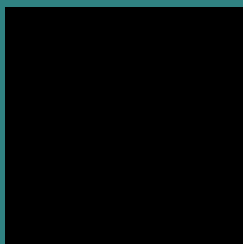
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2308, 18.2053, 23.9357

Background



This preview shows how black text looks on a background with the XYZ color 13.2308, 18.2053, 23.9357.

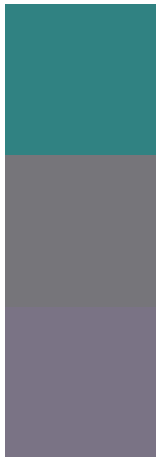


This preview shows how white text looks on a background with the XYZ color 13.2308, 18.2053,

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

13.2308, 18.2053, 23.9357

Protanopia

17.3454, 17.9793, 20.9685

Deuteranopia

18.3904, 18.0925, 24.7132



Tritanopia

13.9266, 18.2947, 27.2233

Trichromacy



Original Color

13.2308, 18.2053, 23.9357

Protanomaly

15.1754, 17.7269, 22.0238

Deuteranomaly

15.6006, 17.5318, 24.3915

Tritanomaly

13.6594, 18.1819, 26.0821

Monochromacy



Original Color

13.2308, 18.2053, 23.9357

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7107, 15.1344, 18.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2308, 18.2053, 23.9357 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(48, 130, 130)` looks like.

```
.text, #text, p{  
    color:rgb(48, 130, 130)  
}
```

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(48, 130, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 130, 130) }
```

Border

The CSS property to change the border of an element to XYZ 13.2308, 18.2053, 23.9357 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(48, 130, 130) }
```


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

```
.border{ border-color:rgb(48, 130, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 130, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 130, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 130, 130);  
box-shadow:4px 4px 4px 4px rgb(48, 130,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2308, 18.2053, 23.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 130, 130) }
```

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

```
.background{ background-color: rgb(48, 130,  
130) }
```

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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