

Converting Colors

XYZ(12.2844, 5.3220, 62.1086)

Have a look what the booklet for
XYZ(12.2844, 5.3220, 62.1086)
contains.

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Color

**XYZ(12.2593, 5.3073,
62.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	1313D3
RGB	19, 19, 211
RGB Percent	7%, 7%, 83%
CMY	0.9254, 0.9255, 0.1725
CMYK	0.91, 0.91, 0.00, 0.17
HSL	240°, 83%, 45%
HSV	240°, 91%, 83%
XYZ	12.2593, 5.3073, 62.0063
YIQ	40.8880, -61.6320, 59.7120

Conversions

Conversions Part 2

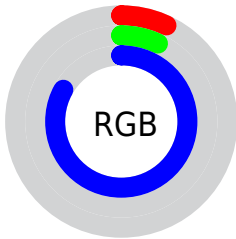
Format	Color
R_{YB}	19, 19, 211
Decimal	1250259
CIE _{Lab}	27.59, 64.73, -90.62
CIE _{LCh}	28, 111.358, 305.538
Yxy	5.3073, 0.1541, 0.0667
Android (android.graphics.Color)	4279440339 (0xFF1313D3)
YUV	40.8880, 83.8652, -19.1958
Hunter-Lab	23.0376, 54.6719, -143.4544

Details

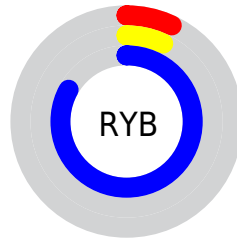
The XYZ color **12.2593, 5.3073, 62.0063** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **50.2631, 60.4781, 9.6399**, and the grayscale version is **2.0279, 2.1335, 2.3234**.

A 20% lighter version of the original color is **27.0543, 15.4971, 96.1731**, and **5.9164, 2.3666, 31.1553** is the 20% darker color. If you saturate the color by 10%, you get **11.7585, 4.7035, 61.9164**, and if you desaturate by 10%, it is **13.3997, 6.6804, 62.2115**.

Distribution



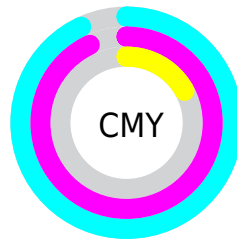
- Red (7%)
- Green (7%)
- Blue (83%)



- Red (7%)
- Yellow (7%)
- Blue (83%)



- Cyan (91%)
- Magenta (91%)
- Yellow (0%)
- Black (17%)



- Cyan (93%)
- Magenta (93%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2593, 5.3073, 62.0063 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 12.2593, 5.3073, 62.0063 by changing the saturation by 10% instead.

■ 12.2593, 5.3073,
62.0063

■ 12.2593, 5.3073,
62.0063

199.8495,
152.7483, 449.9624

■ 6.9940, 2.4287,
44.6020

■ 29.5793, 16.4760,
109.3063

■ 3.5046, 0.8406,
30.8034

■ 42.3646, 25.5349,
140.0391

■ 1.4259, 0.0000,
20.1920

■ 58.3874, 37.4226,
176.0518

■ 0.2746, 0.0000,
12.3492

■ 78.0129, 52.5236,
217.7628

■ 0.0000, 0.0000,
6.8565

■ 101.6065, 71.2223,
265.5909


■ 0.0000, 0.0000,
3.2955


■ 129.5336, 93.9031,


■ 0.0000, 0.0000,


319.9545


1.2474


 162.1594,
120.9502, 381.2721

 0.0000, 0.0000,
0.0181

 0.0000, 0.0000,
0.0000


 12.2593, 5.3073,
62.0063


 12.2593, 5.3073,
62.0063

 11.7585, 4.7035,
61.9164

 13.3997, 6.6804,
62.2115

 15.3750, 9.0600,
62.5667

 18.3044, 12.5895,
63.0935

 22.2880, 17.3892,
63.8100

■ 27.4128, 23.5643,
64.7318

■ 33.7572, 31.2091,
65.8730

■ 41.3925, 40.4094,
67.2464

■ 50.3843, 51.2446,
68.8639

■ 60.7942, 63.7886,
70.7365

Harmonies

Analogous

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



5.9604, 5.3073, 87.5793



12.2593, 5.3073, 62.0063



18.4038, 5.3073, 24.2751

Triad

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



12.2593, 5.3073, 62.0063



9.7443, 5.3073, 0.0000



0.1976, 5.3073, 8.6288

Complementary

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



12.2593, 5.3073, 62.0063



50.2631, 60.4781, 9.6399

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.



0.4290, 5.3073, 0.1022



12.2593, 5.3073, 62.0063



4.2275, 5.3073, 0.0000

Square

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



12.2593, 5.3073, 62.0063



16.4278, 5.3073, 0.0000



1.4210, 5.3073, 0.0000



0.6913, 5.3073, 37.2560

Rectangle

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



12.2593, 5.3073, 62.0063



20.3095, 5.3073, 8.0163



1.4210, 5.3073, 0.0000



0.1932, 5.3073, 4.0019

Sweetspot

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



12.2598, 5.3073, 62.0065



55.9306, 52.8609, 101.8631



35.3206, 51.4302, 69.6937



11.1508, 10.3256, 21.6553



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



12.2598, 5.3073, 62.0065



18.0507, 7.2204, 95.0500



19.0601, 8.8130, 62.3247



11.1640, 11.4178, 14.8591



7.0964, 2.8386, 37.3664



0.3969, 0.1588, 2.0893

Inverse Universe

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



38.8491, 19.0152, 63.2218



59.2805, 28.4762, 96.9299



30.4813, 50.2801, 8.7141



12.3107, 12.0090, 14.9121



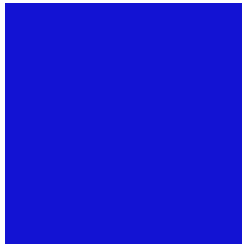
23.3046, 11.1947, 38.1059



1.3031, 0.6260, 2.1308

Previews

White Background



This preview shows how the XYZ color 12.2593, 5.3073, 62.0063 looks on a white background.

Color Contrast Check

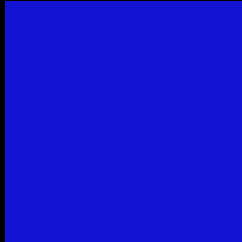
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.2593, 5.3073, 62.0063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

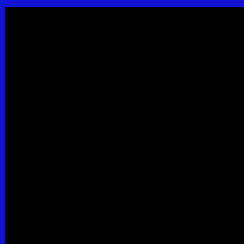
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2593, 5.3073, 62.0063

Background



This preview shows how black text looks on a background with the XYZ color 12.2593, 5.3073, 62.0063.



This preview shows how white text looks on a background with the XYZ color 12.2593, 5.3073,

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

12.2593, 5.3073, 62.0063

Protanopia

6.0111, 5.2485, 22.8865

Deuteranopia

5.0478, 5.3265, 16.3849



Tritanopia

3.6871, 5.2869, 7.6636

Trichromacy



Original Color

12.2593, 5.3073, 62.0063

Protanomaly

7.5372, 4.6514, 34.2188

Deuteranomaly

6.6530, 4.4963, 28.9510

Tritanomaly

5.0624, 4.0720, 19.9212

Monochromacy



Original Color

12.2593, 5.3073, 62.0063

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

3.6192, 2.3903, 13.1026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2593, 5.3073, 62.0063 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(19, 19, 211)` looks like.

```
.text, #text, p{  
    color:rgb(19, 19, 211)  
}
```

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(19, 19, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 19, 211) }
```

Border

The CSS property to change the border of an element to XYZ 12.2593, 5.3073, 62.0063 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(19, 19, 211) }
```


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

```
.border{ border-color:rgb(19, 19, 211) }
```

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

Here you see how a box with a 4 pixel rgb(19, 19, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 19, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 19, 211);  
box-shadow:4px 4px 4px 4px rgb(19, 19,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2593, 5.3073, 62.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 19, 211) }
```

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

```
.background{ background-color: rgb(19, 19,  
211) }
```

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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