

Converting Colors

XYZ(12.5293, 5.9006, 60.3617)

Have a look what the booklet for
XYZ(12.5293, 5.9006, 60.3617)
contains.

XYZ(12.4973, 5.8942, 60.1535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4973, 5.8942,
60.1535)**

Conversions

Conversions Part 1

Format	Color
Hex	2020D0
RGB	32, 32, 208
RGB Percent	13%, 13%, 82%
CMY	0.8744, 0.8745, 0.1843
CMYK	0.85, 0.85, 0.00, 0.18
HSL	240°, 73%, 47%
HSV	240°, 85%, 82%
XYZ	12.4973, 5.8942, 60.1535
YIQ	52.0640, -56.4960, 54.7360

Conversions

Conversions Part 2

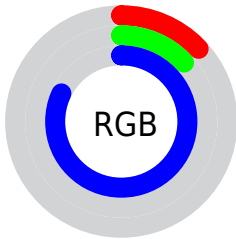
Format	Color
RYB	32, 32, 208
Decimal	2105552
CIELab	29.14, 59.66, -86.27
CIElCh	29, 104.896, 304.667
Yxy	5.8942, 0.1591, 0.0750
Android (android.graphics.Color)	4280295632 (0xFF2020D0)
YUV	52.0640, 76.8764, -17.5961
Hunter-Lab	24.2780, 49.3980, -129.9082

Details

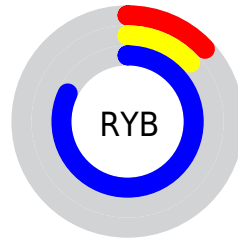
The XYZ color **12.4973, 5.8942, 60.1535** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **48.8232, 58.6231, 10.1083**, and the grayscale version is **3.1889, 3.3550, 3.6536**.

A 20% lighter version of the original color is **28.0827, 16.9839, 96.4058**, and **5.6675, 2.2670, 29.8446** is the 20% darker color. If you saturate the color by 10%, you get **11.6481, 4.8706, 60.0009**, and if you desaturate by 10%, it is **14.1075, 7.8336, 60.4432**.

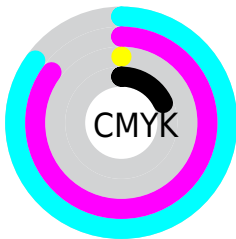
Distribution



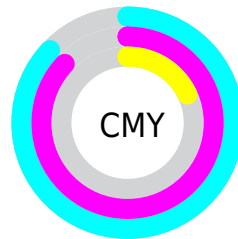
- Red (13%)
- Green (13%)
- Blue (82%)



- Red (13%)
- Yellow (13%)
- Blue (82%)



- Cyan (85%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)



- Cyan (87%)
- Magenta (87%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4973, 5.8942, 60.1535 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 12.4973, 5.8942, 60.1535 by changing the saturation by 10% instead.

■ 12.4973, 5.8942,
60.1535

■ 12.4973, 5.8942,
60.1535

201.3737,
158.1306, 442.9837

■ 7.1579, 2.7809,
43.1163

■ 30.0067, 17.7112,
106.5979

■ 3.6083, 1.0184,
29.6443

■ 42.9075, 27.1837,
136.8421

■ 1.4830, 0.0000,
19.3190

■ 59.0594, 39.5446,
172.3257

■ 0.3142, 0.0000,
11.7219

■ 78.8278, 55.1785,
213.4672

■ 0.0000, 0.0000,
6.4343

■ 102.5781, 74.4696,
260.6853


■ 0.0000, 0.0000,
3.0379


■ 130.6756, 97.8024,

■ 0.0000, 0.0000,

314.3983


1.1140


 163.4857,
125.5613, 375.0249

 0.0000, 0.0000,
0.0000


 12.4973, 5.8942,
60.1535


 12.4973, 5.8942,
60.1535


 11.6481, 4.8706,
60.0009


 14.1075, 7.8336,
60.4432

 11.3855, 4.5542,
59.9537

 16.6013, 10.8384,
60.8917

 20.0814, 15.0315,
61.5177

 24.6358, 20.5192,
62.3369

 30.3429, 27.3959,
63.3634

■ 37.2738, 35.7473,
64.6101

■ 45.4937, 45.6521,
66.0887

■ 55.0635, 57.1834,
67.8101

■ 66.0400, 70.4099,
69.7845

Harmonies

Analogous

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



6.3722, 5.8942, 82.5690



12.4973, 5.8942, 60.1535



18.4288, 5.8942, 25.1528

Triad

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



12.4973, 5.8942, 60.1535



10.4418, 5.8942, 0.0000



0.5144, 5.8942, 8.7688

Complementary

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



12.4973, 5.8942, 60.1535



48.8232, 58.6231, 10.1083

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.



0.7522, 5.8942, 0.3751



12.4973, 5.8942, 60.1535



4.8970, 5.8942, 0.0000

Square

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



12.4973, 5.8942, 60.1535



16.8460, 5.8942, 0.0000



1.8675, 5.8942, 0.0000



0.9662, 5.8942, 35.3812

Rectangle

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



12.4973, 5.8942, 60.1535



20.3311, 5.8942, 9.1442



1.8675, 5.8942, 0.0000



0.5170, 5.8942, 4.2955

Sweetspot

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



12.4978, 5.8942, 60.1537



58.2861, 55.7005, 102.2870



34.5367, 49.9730, 67.5002



11.6010, 10.8683, 21.7363



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.



12.4978, 5.8942, 60.1537



18.0504, 7.2202, 95.0500



19.6471, 9.5798, 60.4883



11.1639, 11.4178, 14.8591



7.0961, 2.8385, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



37.9116, 18.9958, 61.3296



59.2851, 28.4780, 96.9543



30.5621, 49.2091, 9.2537



12.3108, 12.0091, 14.9125



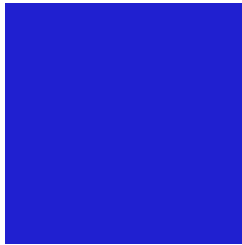
23.3064, 11.1954, 38.1153



1.3032, 0.6260, 2.1313

Previews

White Background



This preview shows how the XYZ color 12.4973, 5.8942, 60.1535 looks on a white background.

Color Contrast Check

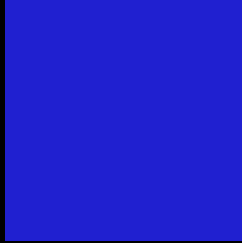
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4973, 5.8942, 60.1535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

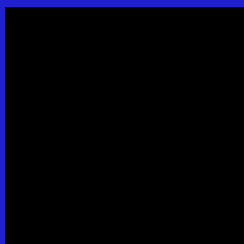
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4973, 5.8942, 60.1535

Background



This preview shows how black text looks on a background with the XYZ color 12.4973, 5.8942, 60.1535.



This preview shows how white text looks on a background with the XYZ color 12.4973, 5.8942,

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

12.4973, 5.8942, 60.1535

Protanopia

6.6084, 5.7605, 25.1897

Deuteranopia

5.5233, 5.8145, 17.9707



Tritanopia

4.0324, 5.7481, 8.4864

Trichromacy



Original Color

12.4973, 5.8942, 60.1535

Protanomaly

8.1716, 5.3968, 35.7330

Deuteranomaly

7.2007, 5.2388, 29.9098

Tritanomaly

5.5982, 4.8422, 20.7182

Monochromacy



Original Color

12.4973, 5.8942, 60.1535

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.7809, 3.5388, 14.8991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4973, 5.8942, 60.1535 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(32, 32, 208)` looks like.

```
.text, #text, p{  
    color:rgb(32, 32, 208)  
}
```

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(32, 32, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 32, 208) }
```

Border

The CSS property to change the border of an element to XYZ 12.4973, 5.8942, 60.1535 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(32, 32, 208) }
```


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

```
.border{ border-color:rgb(32, 32, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 32, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 32, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 32, 208);  
box-shadow:4px 4px 4px 4px rgb(32, 32,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4973, 5.8942, 60.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 32, 208) }
```

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

```
.background{ background-color: rgb(32, 32,  
208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor