

Converting Colors

XYZ(7.1271, 2.8781, 52.7518)

Have a look what the booklet for
XYZ(7.1271, 2.8781, 52.7518)
contains.

XYZ(10.3282, 4.5315, 53.1536)	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(10.3282, 4.5315,
53.1536)**

Conversions

Conversions Part 1

Format	Color
Hex	0014C5
RGB	0, 20, 197
RGB Percent	0%, 8%, 77%
CMY	0.9998, 0.9216, 0.2274
CMYK	1.00, 0.90, 0.00, 0.23
HSL	234°, 100%, 39%
HSV	234°, 100%, 77%
XYZ	10.3282, 4.5315, 53.1536
YIQ	34.1980, -68.7370, 50.8070

Conversions

Conversions Part 2

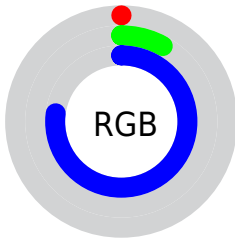
Format	Color
RYB	0, 18, 197
Decimal	5317
CIELab	25.36, 60.34, -86.17
CIELCh	25, 105.199, 304.999
Yxy	4.5315, 0.1519, 0.0666
Android (android.graphics.Color)	4278195397 (0xFF0014C5)
YUV	34.1980, 80.2614, -29.9916
Hunter-Lab	21.2873, 49.3520, -133.1437

Details

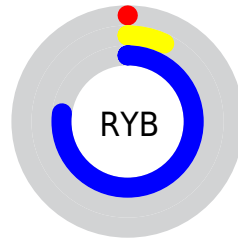
The XYZ color **10.3282, 4.5315, 53.1536** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **38.7592, 43.3363, 6.3232**, and the grayscale version is **1.4811, 1.5582, 1.6969**.

A 20% lighter version of the original color is **25.9609, 14.7383, 96.0842**, and **4.8077, 1.9231, 25.3171** is the 20% darker color. If you saturate the color by 10%, you get **10.3274, 4.5298, 53.1535**, and if you desaturate by 10%, it is **11.0448, 5.5441, 53.3115**.

Distribution



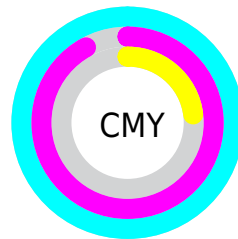
- Red (0%)
- Green (8%)
- Blue (77%)



- Red (0%)
- Yellow (7%)
- Blue (77%)



- Cyan (100%)
- Magenta (90%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (92%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3282, 4.5315, 53.1536 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 10.3282, 4.5315, 53.1536 by changing the saturation by 10% instead.

■ 10.3282, 4.5315,
53.1536

■ 10.3282, 4.5315,
53.1536

187.0038,
145.2031, 415.9571

■ 5.6810, 1.9751,
37.5368

■ 26.0551, 14.7978,
96.2742

■ 2.6909, 0.5929,
25.3244

■ 37.8656, 23.2765,
124.6151

■ 0.9925, 0.0000,
16.0977

■ 52.7945, 34.4981,
158.0345

■ 0.0000, 0.0000,
9.4382

■ 71.2073, 48.8469,
196.9508

■ 0.0000, 0.0000,
4.9274

■ 93.4692, 66.7075,
241.7827


■ 0.0000, 0.0000,
2.1467

■ 119.9457, 88.4641,

■ 0.0000, 0.0000,

292.9487

0.6434

 151.0021,
114.5012, 350.8674


 0.0000, 0.0000,
0.0000

 10.3282, 4.5315,
53.1536


 10.3282, 4.5315,
53.1536

 10.3274, 4.5298,
53.1535

 11.0448, 5.5441,
53.3115

 12.3170, 7.2419,
53.5721

 14.2798, 9.7444,
53.9517

 17.0145, 13.1367,
54.4623

 20.5912, 17.4925,
55.1146

■ 25.0717, 22.8781,
55.9180

■ 30.5122, 29.3538,
56.8812

■ 36.9642, 36.9750,
58.0122

■ 44.4756, 45.7938,
59.3184

Harmonies

Analogous

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



5.0063, 4.5315, 74.3303



10.3282, 4.5315, 53.1536



15.5733, 4.5315, 21.1149

Triad

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



10.3282, 4.5315, 53.1536



8.4004, 4.5315, 0.0000



0.1097, 4.5315, 7.0923

Complementary

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



10.3282, 4.5315, 53.1536



38.7592, 43.3363, 6.3232

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.



0.3406, 4.5315, 0.0000



10.3282, 4.5315, 53.1536



3.6761, 4.5315, 0.0000

Square

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



10.3282, 4.5315, 53.1536



14.0598, 4.5315, 0.0000



1.2468, 4.5315, 0.0000



0.5644, 4.5315, 31.0494

Rectangle

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



10.3282, 4.5315, 53.1536



17.2445, 4.5315, 7.0930



1.2468, 4.5315, 0.0000



0.1097, 4.5315, 3.2647

Sweetspot

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



10.3286, 4.5315, 53.1538



54.1361, 51.9663, 101.7850



27.6090, 42.9898, 46.8984



10.6561, 10.0166, 21.6217



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.



10.3286, 4.5315, 53.1538



18.4155, 7.9510, 95.1718



13.0230, 5.5501, 53.2084



10.1417, 10.4574, 13.4015



6.8220, 3.0379, 34.9712



0.3531, 0.2040, 1.6659

Inverse Universe

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



23.1527, 11.9218, 1.7422



41.4245, 21.3338, 2.9015



27.9221, 44.0339, 7.0290



10.6768, 10.6541, 11.2813



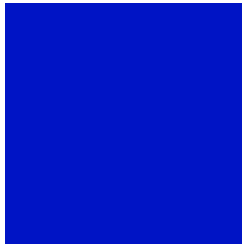
15.2428, 7.8467, 1.2223



0.7369, 0.3776, 0.1379

Previews

White Background



This preview shows how the XYZ color 10.3282, 4.5315, 53.1536 looks on a white background.

Color Contrast Check

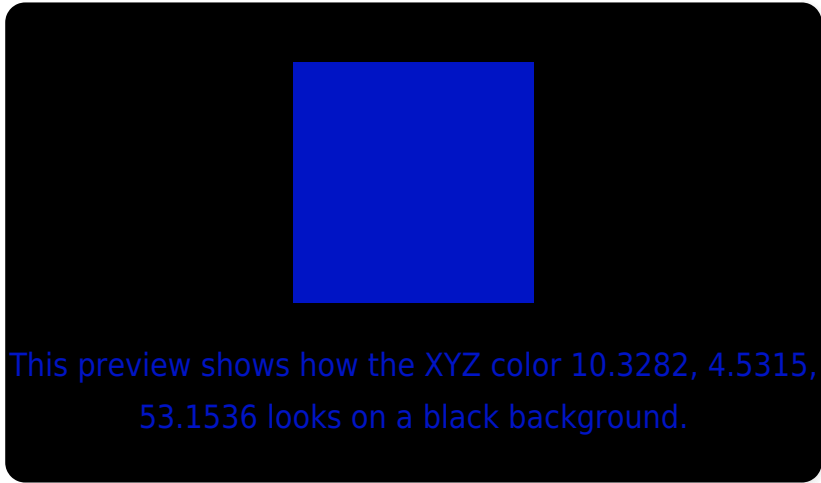
Large Text (above 18pt) WCAG AA ✓ Pass

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

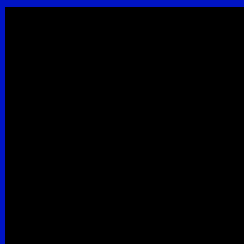
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3282, 4.5315, 53.1536

Background



This preview shows how black text looks on a background with the XYZ color 10.3282, 4.5315, 53.1536.



This preview shows how white text looks on a background with the XYZ color 10.3282, 4.5315,

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

10.3282, 4.5315, 53.1536

Protanopia

5.2021, 4.5832, 19.6792

Deuteranopia

4.3273, 4.5749, 14.0196



Tritanopia

3.2045, 4.5892, 6.6781

Trichromacy



Original Color

10.3282, 4.5315, 53.1536

Protanomaly

6.5243, 4.1111, 29.7278

Deuteranomaly

5.6040, 3.8680, 24.4960

Tritanomaly

4.3947, 3.6520, 17.3029

Monochromacy



Original Color

10.3282, 4.5315, 53.1536

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

2.7460, 1.8396, 10.5663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3282, 4.5315, 53.1536 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(0, 20, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 20, 197)  
}
```

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(0, 20, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 20, 197) }
```

Border

The CSS property to change the border of an element to XYZ 10.3282, 4.5315, 53.1536 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(0, 20, 197) }
```


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

```
.border{ border-color:rgb(0, 20, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 20, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 20, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 20, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 20, 197)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.3282, 4.5315, 53.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 20, 197) }
```

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

```
.background{ background-color: rgb(0, 20,  
197) }
```

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