

Converting Colors

XYZ(15.5925, 12.6940, 53.0244)

Have a look what the booklet for
XYZ(15.5925, 12.6940, 53.0244)
contains.

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Color

**XYZ(15.6282, 12.7295,
53.2631)**

Conversions

Conversions Part 1

Format	Color
Hex	3C5DC3
RGB	60, 93, 195
RGB Percent	24%, 36%, 76%
CMY	0.7647, 0.6353, 0.2353
CMYK	0.69, 0.52, 0.00, 0.24
HSL	225°, 53%, 50%
HSV	225°, 69%, 76%
XYZ	15.6282, 12.7295, 53.2631
YIQ	94.7610, -52.4100, 24.7260

Conversions

Conversions Part 2

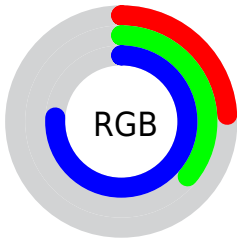
Format	Color
R_{YB}	60, 87, 195
Decimal	3956163
CIE _{Lab}	42.35, 22.40, -56.98
CIE _{LCh}	42, 61.224, 291.463
Yxy	12.7295, 0.1915, 0.1560
Android (android.graphics.Color)	4282146243 (0xFF3C5DC3)
YUV	94.7610, 49.4178, -30.4854
Hunter-Lab	35.6784, 15.7510, -63.5371

Details

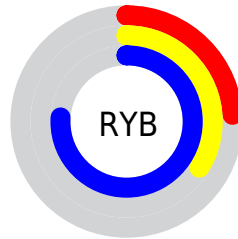
The XYZ color **15.6282, 12.7295, 53.2631** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **36.2437, 37.7725, 9.6568**, and the grayscale version is **10.7157, 11.2737, 12.2771**.

A 20% lighter version of the original color is **35.4192, 30.8108, 96.1757**, and **5.7906, 4.0074, 25.2792** is the 20% darker color. If you saturate the color by 10%, you get **13.4887, 9.8882, 52.8277**, and if you desaturate by 10%, it is **18.4520, 16.2936, 53.8025**.

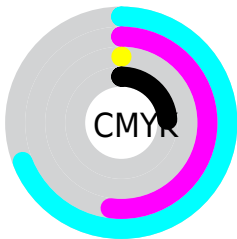
Distribution



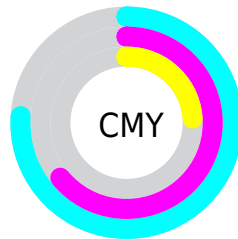
- Red (24%)
- Green (36%)
- Blue (76%)



- Red (24%)
- Yellow (34%)
- Blue (76%)



- Cyan (69%)
- Magenta (52%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (64%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6282, 12.7295, 53.2631 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 15.6282, 12.7295, 53.2631 by changing the saturation by 10% instead.

■ 15.6282, 12.7295,
53.2631

■ 15.6282, 12.7295,
53.2631

220.4515,
209.1767, 416.3886

■ 9.3506, 7.2425,
37.6237

■ 35.5142, 30.8170,
96.4369

■ 5.0295, 3.6142,
25.3912

■ 49.8534, 44.1862,
124.8083

■ 2.2995, 1.4602,
16.1471

■ 67.6104, 60.9518,
158.2608

■ 0.7944, 0.2605,
9.4728

■ 89.1507, 81.4979,
197.2130

■ 0.0000, 0.0000,
4.9498

■ 114.8396,
106.2091, 242.0833

■ 0.0000, 0.0000,
2.1596

145.0424,

■ 0.0000, 0.0000,

135.4697, 293.2903

0.6509

180.1246,
169.6641, 351.2526

■ 0.0000, 0.0000,
0.0000

■ 15.6282, 12.7295,
53.2631

■ 15.6282, 12.7295,
53.2631

■ 13.4887, 9.8882,
52.8277

■ 18.4520, 16.2936,
53.8025

■ 11.9669, 7.7139,
52.4883

■ 22.0143, 20.6279,
54.4514

■ 10.9591, 6.1296,
52.2356

■ 26.3656, 25.7767,
55.2158

■ 10.8934, 6.0261,
52.2191

■ 31.5513, 31.7805,
56.1014

■ 37.6134, 38.6770,
57.1130

■ 44.5907, 46.5017,
58.2556

■ 52.5198, 55.2878,
59.5336

■ 61.4354, 65.0671,
60.9513

■ 71.3702, 75.8698,
62.5128

Harmonies

Analogous

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



10.8342, 12.7295, 56.9624



15.6282, 12.7295, 53.2631



20.4092, 12.7295, 36.3571

Triad

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



15.6282, 12.7295, 53.2631



18.4805, 12.7295, 1.9942



5.2962, 12.7295, 10.4330

Complementary

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



15.6282, 12.7295, 53.2631



36.2437, 37.7725, 9.6568

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.



6.4204, 12.7295, 3.3172



15.6282, 12.7295, 53.2631



13.4586, 12.7295, 0.8723

Square

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



15.6282, 12.7295, 53.2631



22.3249, 12.7295, 6.5104



9.1456, 12.7295, 1.1304



5.5985, 12.7295, 25.3330

Rectangle

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



15.6282, 12.7295, 53.2631



22.5577, 12.7295, 23.5616



9.1456, 12.7295, 1.1304



5.5067, 12.7295, 7.2717

Sweetspot

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



15.6288, 12.7299, 53.2634



64.9526, 66.5418, 101.8903



27.8346, 42.5735, 40.5856



13.5396, 13.7952, 22.1991



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.



15.6288, 12.7299, 53.2634



22.6487, 15.5963, 94.2865



16.0579, 9.5397, 52.6251



9.7238, 10.1389, 12.7293



7.1363, 4.0292, 33.9582



0.3646, 0.2865, 1.4860

Inverse Universe

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



26.0980, 15.6252, 11.9964



43.1949, 23.3117, 12.8421



35.0800, 46.9601, 11.4915



10.1719, 10.1174, 10.9957



14.9981, 7.6890, 2.6359



0.6764, 0.3436, 0.2633

Previews

White Background



This preview shows how the XYZ color 15.6282, 12.7295, 53.2631 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 15.6282, 12.7295, 53.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

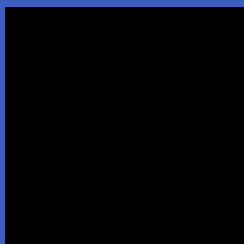
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6282, 12.7295, 53.2631

Background



This preview shows how black text looks on a background with the XYZ color 15.6282, 12.7295, 53.2631.



This preview shows how white text looks on a background with the XYZ color 15.6282, 12.7295,

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

15.6282, 12.7295, 53.2631

Protanopia

14.9410, 12.7343, 55.0966

Deuteranopia

12.6872, 12.6771, 43.3732



Tritanopia

8.9057, 12.4838, 19.3930

Trichromacy



Original Color

15.6282, 12.7295, 53.2631

Protanomaly

15.1251, 12.7079, 54.4790

Deuteranomaly

13.4444, 12.5549, 47.0621

Tritanomaly

10.5477, 12.1778, 29.3984

Monochromacy



Original Color

15.6282, 12.7295, 53.2631

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.5791, 11.4379, 23.0702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6282, 12.7295, 53.2631 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(60, 93, 195)` looks like.

```
.text, #text, p{  
    color:rgb(60, 93, 195)  
}
```

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(60, 93, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 93, 195) }
```

Border

The CSS property to change the border of an element to XYZ 15.6282, 12.7295, 53.2631 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(60, 93, 195) }
```


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

```
.border{ border-color:rgb(60, 93, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 93, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 93, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 93, 195);  
box-shadow:4px 4px 4px 4px rgb(60, 93,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6282, 12.7295, 53.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 93, 195) }
```

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

```
.background{ background-color: rgb(60, 93,  
195) }
```

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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