

Converting Colors

XYZ(15.7264, 10.6880, 62.8604)

Have a look what the booklet for
XYZ(15.7264, 10.6880, 62.8604)
contains.

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Color

**XYZ(15.7271, 10.6890,
62.8623)**

Conversions

Conversions Part 1

Format	Color
Hex	324DD3
RGB	50, 77, 211
RGB Percent	20%, 30%, 83%
CMY	0.8039, 0.6980, 0.1725
CMYK	0.76, 0.64, 0.00, 0.17
HSL	230°, 65%, 51%
HSV	230°, 76%, 83%
XYZ	15.7271, 10.6890, 62.8623
YIQ	84.2030, -59.1060, 35.9500

Conversions

Conversions Part 2

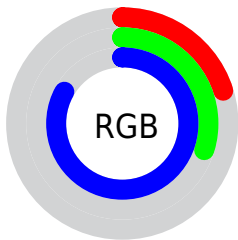
Format	Color
RYB	50, 73, 211
Decimal	3296723
CIELab	39.05, 37.21, -71.62
CIELCh	39, 80.707, 297.453
Yxy	10.6890, 0.1762, 0.1197
Android (android.graphics.Color)	4281486803 (0xFF324DD3)
YUV	84.2030, 62.5109, -29.9960
Hunter-Lab	32.6940, 28.6509, -91.1137

Details


The XYZ color **15.7271, 10.6890, 62.8623** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **44.5832, 48.3655, 10.0046**, and the grayscale version is **8.3533, 8.7883, 9.5704**.

A 20% lighter version of the original color is **33.2566, 26.1348, 97.8994**, and **6.4603, 3.4543, 31.3366** is the 20% darker color. If you saturate the color by 10%, you get **13.8486, 8.1361, 62.4688**, and if you desaturate by 10%, it is **18.4175, 14.1527, 63.3894**.

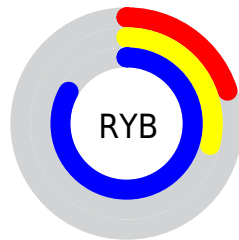
Distribution



 Red (20%)

 Green (30%)

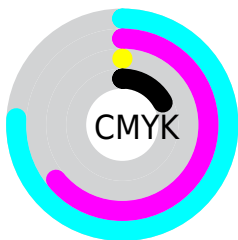
 Blue (83%)





 Red (20%)

 Yellow (29%)

 Blue (83%)

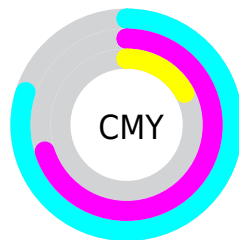


 Cyan (76%)

 Magenta (64%)

 Yellow (0%)

 Black (17%)



 Cyan (80%)

 Magenta (70%)

 Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7271, 10.6890, 62.8623 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 15.7271, 10.6890, 62.8623 by changing the saturation by 10% instead.

■ 15.7271, 10.6890,
62.8623

■ 15.7271, 10.6890,
62.8623

221.0282,
195.5213, 453.1638

■ 9.4209, 5.8581,
45.2895

■ 35.6851, 27.0836,
110.5545

■ 5.0760, 2.7590,
31.3409

■ 50.0675, 39.4162,
141.5110

■ 2.3271, 1.0072,
20.5980

■ 67.8728, 55.0180,
177.7658

■ 0.8085, 0.0000,
12.6421

■ 89.4661, 74.2736,
219.7375

■ 0.0000, 0.0000,
7.0547

■ 115.2130, 97.5674,
267.8446

■ 0.0000, 0.0000,
3.4174

145.4787,

■ 0.0000, 0.0000,

125.2836, 322.5057

1.3115

180.6287,
157.8068, 384.1392

■ 0.0000, 0.0000,
0.0712

■ 0.0000, 0.0000,
0.0000

■ 15.7271, 10.6890,
62.8623

■ 15.7271, 10.6890,
62.8623

■ 13.8486, 8.1361,
62.4688

■ 18.4175, 14.1527,
63.3894

■ 12.6792, 6.4006,
62.1955

■ 22.0007, 18.6054,
64.0600

■ 12.3700, 5.9272,
62.1204

■ 26.5493, 24.1170,
64.8841

■ 32.1279, 30.7509,
65.8705

■ 38.7955, 38.5656,
67.0275

■ 46.6062, 47.6151,
68.3625

■ 55.6110, 57.9503,
69.8828

■ 65.8573, 69.6191,
71.5951

■ 77.3902, 82.6670,
73.5058

Harmonies

Analogous

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



9.7057, 10.6890, 73.6253



15.7271, 10.6890, 62.8623



21.6425, 10.6890, 36.0316

Triad

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



15.7271, 10.6890, 62.8623



16.8194, 10.6890, 0.0000



2.9237, 10.6890, 10.3682

Complementary

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



15.7271, 10.6890, 62.8623



44.5832, 48.3655, 10.0046

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.



3.6872, 10.6890, 1.8587



15.7271, 10.6890, 62.8623



10.6273, 10.6890, 0.0000

Square

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



15.7271, 10.6890, 62.8623



22.4143, 10.6890, 2.6159



6.0907, 10.6890, 0.0000



3.4577, 10.6890, 31.3914

Rectangle

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



15.7271, 10.6890, 62.8623



24.0095, 10.6890, 19.3531



6.0907, 10.6890, 0.0000



3.0284, 10.6890, 6.3068

Sweetspot

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



15.7277, 10.6892, 62.8626



63.0212, 63.2330, 103.4914



33.0008, 50.6233, 52.0098



12.6047, 12.5055, 21.9994



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.



15.7277, 10.6892, 62.8626



19.9483, 10.5762, 95.5978



18.2649, 9.7515, 62.5479



11.3216, 11.7334, 14.9117



7.5162, 3.6790, 37.5065



0.4710, 0.3072, 2.1140

Inverse Universe

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



29.3447, 16.6669, 8.6915



42.3057, 22.0979, 6.2729



38.3717, 54.2949, 11.4765



11.8884, 11.8401, 12.6884



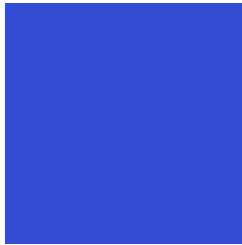
16.4246, 8.4427, 1.8760



0.9440, 0.4823, 0.2397

Previews

White Background



This preview shows how the XYZ color 15.7271, 10.6890, 62.8623 looks on a white background.

Color Contrast Check

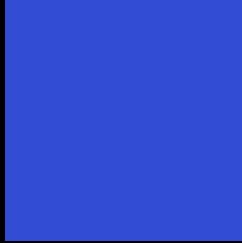
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7271, 10.6890, 62.8623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

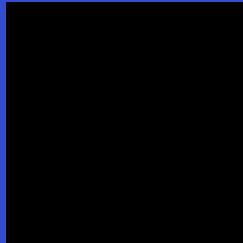
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7271, 10.6890, 62.8623

Background



This preview shows how black text looks on a background with the XYZ color 15.7271, 10.6890, 62.8623.



This preview shows how white text looks on a background with the XYZ color 15.7271, 10.6890,

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

15.7271, 10.6890, 62.8623

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.3479, 10.5435, 34.7474



Tritanopia

7.4581, 10.5855, 15.8375

Trichromacy



Original Color

15.7271, 10.6890, 62.8623

Protanomaly

13.2701, 10.4094, 52.9396

Deuteranomaly

11.8759, 10.3627, 44.0221

Tritanomaly

9.2746, 10.0016, 28.2297

Monochromacy



Original Color

15.7271, 10.6890, 62.8623

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.6442, 8.8743, 22.3237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7271, 10.6890, 62.8623 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(50, 77, 211)` looks like.

```
.text, #text, p{  
    color:rgb(50, 77, 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(50, 77, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 77, 211) }
```

Border

The CSS property to change the border of an element to XYZ 15.7271, 10.6890, 62.8623 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(50, 77, 211) }
```


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

```
.border{ border-color:rgb(50, 77, 211) }
```

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

Here you see how a box with a 4 pixel rgb(50, 77, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 77, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 77, 211);  
box-shadow:4px 4px 4px 4px rgb(50, 77,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7271, 10.6890, 62.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 77, 211) }
```

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

```
.background{ background-color: rgb(50, 77,  
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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