

Converting Colors

XYZ(20.1630, 15.7675, 47.7670)

Have a look what the booklet for
XYZ(20.1630, 15.7675, 47.7670)
contains.

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Color

**XYZ(20.1019, 15.6970,
47.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	7361B9
RGB	115, 97, 185
RGB Percent	45%, 38%, 73%
CMY	0.5490, 0.6196, 0.2745
CMYK	0.38, 0.48, 0.00, 0.27
HSL	252°, 39%, 55%
HSV	252°, 48%, 73%
XYZ	20.1019, 15.6970, 47.8693
YIQ	112.4140, -17.5200, 31.1840

Conversions

Conversions Part 2

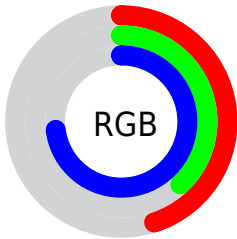
Format	Color
R_{YB}	115, 97, 185
Decimal	7561657
CIE _{Lab}	46.57, 28.18, -44.19
CIE _{LCh}	47, 52.411, 302.528
Yxy	15.6970, 0.2403, 0.1876
Android (android.graphics.Color)	4285751737 (0xFF7361B9)
YUV	112.4140, 35.7849, 2.2679
Hunter-Lab	39.6194, 21.2324, -43.9022

Details

The XYZ color **20.1019, 15.6970, 47.8693** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **35.4430, 43.7766, 17.8914**, and the grayscale version is **15.4250, 16.2283, 17.6726**.

A 20% lighter version of the original color is **43.1945, 36.1367, 88.7029**, and **7.1618, 4.9120, 22.0434** is the 20% darker color. If you saturate the color by 10%, you get **16.8046, 11.7489, 47.2813**, and if you desaturate by 10%, it is **24.1080, 20.6026, 48.6053**.

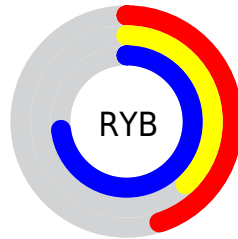
Distribution



Red (45%)

Green (38%)

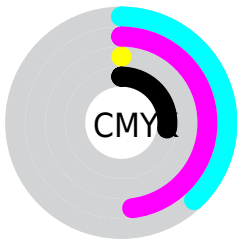
Blue (73%)



Red (45%)

Yellow (38%)

Blue (73%)

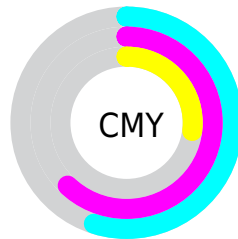


Cyan (38%)

Magenta (48%)

Yellow (0%)

Black (27%)



Cyan (55%)

Magenta (62%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1019, 15.6970, 47.8693 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 20.1019, 15.6970, 47.8693 by changing the saturation by 10% instead.

■ 20.1019, 15.6970,
47.8693

■ 20.1019, 15.6970,
47.8693

245.2893,
227.5471, 394.7676

■ 12.5778, 9.3100,
33.3641

■ 43.0906, 36.0714,
88.3733

■ 7.2135, 4.9439,
22.1321

■ 59.2859, 50.8275,
115.2092

■ 3.6435, 2.2144,
13.7548

■ 79.1024, 69.1422,
146.9925

■ 1.5025, 0.7278,
7.8135

■ 102.9054, 91.3998,
184.1416

■ 0.3275, 0.0000,
3.8898

131.0602,
117.9847, 227.0751

■ 0.0000, 0.0000,
1.5651

163.9322,

■ 0.0000, 0.0000,

149.2813, 276.2116

0.2657

201.8868,
185.6739, 331.9696

■ 0.0000, 0.0000,
0.0000

■ 20.1019, 15.6970,
47.8693

■ 20.1019, 15.6970,
47.8693

■ 16.8046, 11.7489,
47.2813

■ 24.1080, 20.6026,
48.6053

■ 14.1714, 8.6929,
46.8302

■ 28.8600, 26.5220,
49.4974

■ 12.1554, 6.4578,
46.5051

■ 34.3947, 33.5088,
50.5543

■ 10.7022, 4.9605,
46.2927

■ 40.7459, 41.6126,
51.7838

■ 9.7374, 4.0807,
46.1737

■ 47.9453, 50.8797,
53.1930

■ 9.5506, 3.9119,
46.1510

■ 56.0229, 61.3538,
54.7890

■ 65.0072, 73.0763,
56.5782

■ 74.9256, 86.0868,
58.5667

■ 83.0314, 94.8777,
59.8363

Harmonies

Analogous

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



15.3064, 15.6970, 56.0070



20.1019, 15.6970, 47.8693



24.0431, 15.6970, 31.3499

Triad

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



20.1019, 15.6970, 47.8693



19.3023, 15.6970, 3.1483



7.8082, 15.6970, 18.2136

Complementary

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



20.1019, 15.6970, 47.8693



35.4430, 43.7766, 17.8914

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.



8.4568, 15.6970, 7.9833



20.1019, 15.6970, 47.8693



14.5392, 15.6970, 2.3301

Square

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



20.1019, 15.6970, 47.8693



23.5197, 15.6970, 6.8917



10.7145, 15.6970, 3.5175



8.7222, 15.6970, 34.2884

Rectangle

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



20.1019, 15.6970, 47.8693



25.3113, 15.6970, 20.5396



10.7145, 15.6970, 3.5175



7.8507, 15.6970, 14.0524

Sweetspot

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



20.1025, 15.6976, 47.8697



65.2317, 64.6316, 91.2417



27.5792, 33.8288, 50.9753



13.5557, 13.2882, 19.5720



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.1025, 15.6976, 47.8697



29.9042, 20.8150, 84.6462



27.2509, 19.3827, 48.2042



8.6882, 8.8056, 11.3212



6.5528, 2.6893, 31.4268



0.2820, 0.1211, 1.1103

Inverse Universe

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



31.2575, 21.6540, 39.0909



52.5429, 32.9283, 65.7088



27.7328, 39.8019, 17.5305



9.3001, 9.1304, 10.9277



17.2444, 8.4715, 19.7056



0.6281, 0.3067, 0.8010

Previews

White Background



This preview shows how the XYZ color 20.1019, 15.6970, 47.8693 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 20.1019, 15.6970, 47.8693 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 20.1019, 15.6970, 47.8693

Background



This preview shows how black text looks on a background with the XYZ color 20.1019, 15.6970, 47.8693.



This preview shows how white text looks on a background with the XYZ color 20.1019, 15.6970,

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

20.1019, 15.6970, 47.8693

Protanopia

17.6338, 15.7576, 53.7419

Deuteranopia

16.2423, 15.8363, 46.4566



Tritanopia

14.5009, 15.6781, 20.3511

Trichromacy



Original Color

20.1019, 15.6970, 47.8693

Protanomaly

18.0920, 15.4405, 51.3170

Deuteranomaly

17.2686, 15.5660, 46.8941

Tritanomaly

16.1174, 15.5323, 28.5341

Monochromacy



Original Color

20.1019, 15.6970, 47.8693

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.7279, 15.8902, 26.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1019, 15.6970, 47.8693 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(115, 97, 185)` looks like.

```
.text, #text, p{  
    color:rgb(115, 97, 185)  
}
```

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(115, 97, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 97, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.1019, 15.6970, 47.8693 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(115, 97, 185) }
```


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

```
.border{ border-color:rgb(115, 97, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 97, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 97, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 97, 185); box-shadow:4px 4px 4px 4px rgb(115, 97, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1019, 15.6970, 47.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 97, 185) }
```

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

```
.background{ background-color: rgb(115, 97,  
185) }
```

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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