

Converting Colors

XYZ(19.9311, 16.5531, 41.1246)

Have a look what the booklet for
XYZ(19.9311, 16.5531, 41.1246)
contains.

XYZ(20.0424, 16.6721, 41.1914)	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(20.0424, 16.6721,
41.1914)**

Conversions

Conversions Part 1

Format	Color
Hex	7867AC
RGB	120, 103, 172
RGB Percent	47%, 40%, 67%
CMY	0.5294, 0.5961, 0.3255
CMYK	0.30, 0.40, 0.00, 0.33
HSL	255°, 29%, 54%
HSV	255°, 40%, 67%
XYZ	20.0424, 16.6721, 41.1914
YIQ	115.9490, -12.0170, 25.0630

Conversions

Conversions Part 2

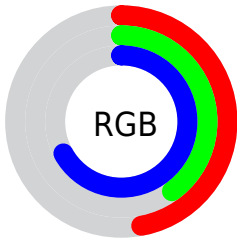
Format	Color
R _Y B	120, 103, 172
Decimal	7890860
CIE Lab	47.84, 22.41, -34.57
CIE LCh	48, 41.202, 302.957
Yxy	16.6721, 0.2573, 0.2140
Android (android.graphics.Color)	4286080940 (0xFF7867AC)
YUV	115.9490, 27.6331, 3.5527
Hunter-Lab	40.8315, 16.1628, -31.2306

Details

The XYZ color **20.0424, 16.6721, 41.1914** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7184, 37.4531, 18.4426**, and the grayscale version is **16.5060, 17.3656, 18.9112**.

A 20% lighter version of the original color is **43.0148, 37.7113, 78.4107**, and **7.1982, 5.4255, 18.1206** is the 20% darker color. If you saturate the color by 10%, you get **16.8267, 12.7309, 40.6005**, and if you desaturate by 10%, it is **23.8546, 21.4439, 41.9118**.

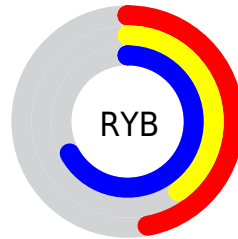
Distribution



Red (47%)

Green (40%)

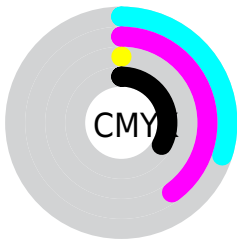
Blue (67%)



Red (47%)

Yellow (40%)

Blue (67%)

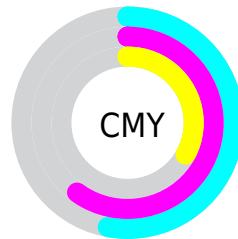


Cyan (30%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0424, 16.6721, 41.1914 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 20.0424, 16.6721, 41.1914 by changing the saturation by 10% instead.

■ 20.0424, 16.6721,
41.1914

■ 20.0424, 16.6721,
41.1914

244.9737,
233.2756, 366.8202

■ 12.5343, 10.0010,
28.1478

■ 42.9917, 37.7611,
78.2312

■ 7.1834, 5.3996,
18.1971

■ 59.1635, 52.9478,
103.0645

■ 3.6244, 2.4836,
10.9207

■ 78.9541, 71.7419,
132.6648

■ 1.4919, 0.8684,
5.9000

■ 102.7286, 94.5276,
167.4507

■ 0.3203, 0.0000,
2.7166

130.8525,
121.6895, 207.8406

■ 0.0000, 0.0000,
0.9518

163.6910,

■ 0.0000, 0.0000,

153.6118, 254.2531

0.0000

201.6097,
190.6791, 307.1068

■ 20.0424, 16.6721,
41.1914

■ 20.0424, 16.6721,
41.1914

■ 16.8267, 12.7309,
40.6005

■ 23.8546, 21.4439,
41.9118

■ 14.1743, 9.5698,
40.1301

■ 28.2905, 27.0887,
42.7676

■ 12.0512, 7.1360,
39.7722

■ 33.3778, 33.6486,
43.7657

■ 10.4189, 5.3687,
39.5171

■ 39.1419, 41.1622,
44.9121

■ 9.2330, 4.1972,
39.3535

■ 45.6071, 49.6658,
46.2127

■ 8.4169, 3.4789,
39.2579

■ 52.7960, 59.1939,
47.6729

■ 60.7305, 69.7793,
49.2979

■ 69.4316, 81.4534,
51.0926

■ 78.0186, 92.4449,
52.7616

Harmonies

Analogous

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



16.2164, 16.6721, 47.0682



20.0424, 16.6721, 41.1914



23.0688, 16.6721, 29.0876

Triad

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



20.0424, 16.6721, 41.1914



19.3077, 16.6721, 5.3775



9.7480, 16.6721, 19.2252

Complementary

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



20.0424, 16.6721, 41.1914



30.7184, 37.4531, 18.4426

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.



10.3147, 16.6721, 10.3730



20.0424, 16.6721, 41.1914



15.4819, 16.6721, 4.4573

Square

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



20.0424, 16.6721, 41.1914



22.6003, 16.6721, 9.1685



12.2810, 16.6721, 5.8585



10.5930, 16.6721, 31.6539

Rectangle

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



20.0424, 16.6721, 41.1914



24.0119, 16.6721, 20.7688



12.2810, 16.6721, 5.8585



9.7800, 16.6721, 15.7668

Sweetspot

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



20.0430, 16.6727, 41.1918



58.5136, 58.4032, 78.9947



24.9120, 29.6059, 43.4315



12.4594, 12.3602, 17.1168



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.0430, 16.6727, 41.1918



31.2010, 23.9135, 73.7771



25.5475, 19.5104, 41.4494



7.7569, 7.8490, 10.0589



6.3068, 2.6111, 29.2161



0.2249, 0.0982, 0.8151

Inverse Universe

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



27.7802, 20.8382, 33.5682



47.3665, 32.6321, 57.1439



25.1425, 34.5786, 18.1817



8.2515, 8.1138, 9.6350



15.6627, 7.7276, 16.4013



0.4557, 0.2230, 0.5615

Previews

White Background



This preview shows how the XYZ color 20.0424, 16.6721, 41.1914 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 20.0424, 16.6721, 41.1914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

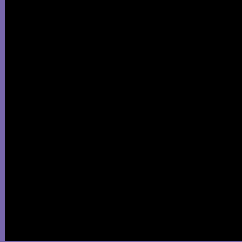
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0424, 16.6721, 41.1914

Background



This preview shows how black text looks on a background with the XYZ color 20.0424, 16.6721, 41.1914.

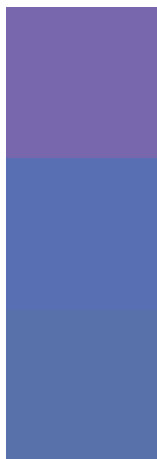


This preview shows how white text looks on a background with the XYZ color 20.0424, 16.6721,

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

20.0424, 16.6721, 41.1914

Protanopia

17.8456, 16.6983, 44.9303

Deuteranopia

17.1853, 16.7872, 40.3647



Tritanopia

16.0229, 16.7797, 21.1332

Trichromacy



Original Color

20.0424, 16.6721, 41.1914

Protanomaly

18.4546, 16.5690, 43.2998

Deuteranomaly

18.0749, 16.5869, 40.7770

Tritanomaly

17.3231, 16.6524, 27.5005

Monochromacy



Original Color

20.0424, 16.6721, 41.1914

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4645, 16.9284, 25.6396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0424, 16.6721, 41.1914 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(120, 103, 172)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 172)  
}
```

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(120, 103, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.0424, 16.6721, 41.1914 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(120, 103, 172) }
```


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

```
.border{ border-color:rgb(120, 103, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 172);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0424, 16.6721, 41.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 172) }
```

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

```
.background{ background-color: rgb(120,  
103, 172) }
```

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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