

Converting Colors

XYZ(20.3505, 17.3774, 44.6650)

Have a look what the booklet for
XYZ(20.3505, 17.3774, 44.6650)
contains.

XYZ(20.3338, 17.3475, 44.9245)	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(20.3338, 17.3475,
44.9245)**

Conversions

Conversions Part 1

Format	Color
Hex	726BB3
RGB	114, 107, 179
RGB Percent	45%, 42%, 70%
CMY	0.5529, 0.5804, 0.2980
CMYK	0.36, 0.40, 0.00, 0.30
HSL	246°, 32%, 56%
HSV	246°, 40%, 70%
XYZ	20.3338, 17.3475, 44.9245
YIQ	117.3010, -18.9400, 23.8760

Conversions

Conversions Part 2

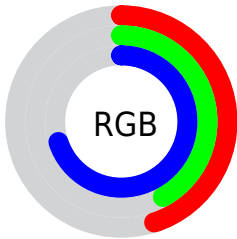
Format	Color
R_{YB}	114, 107, 179
Decimal	7498675
CIE _{Lab}	48.69, 20.18, -37.35
CIE _{LCh}	49, 42.453, 298.386
Yxy	17.3475, 0.2462, 0.2100
Android (android.graphics.Color)	4285688755 (0xFF726BB3)
YUV	117.3010, 30.4176, -2.8950
Hunter-Lab	41.6503, 14.2561, -34.7956

Details

The XYZ color **20.3338, 17.3475, 44.9245** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.7875, 42.0727, 20.1452**, and the grayscale version is **16.9152, 17.7961, 19.3799**.

A 20% lighter version of the original color is **43.3707, 38.7767, 83.7960**, and **7.3684, 5.7622, 20.4625** is the 20% darker color. If you saturate the color by 10%, you get **16.7377, 13.0044, 44.2761**, and if you desaturate by 10%, it is **24.6888, 22.6559, 45.7199**.

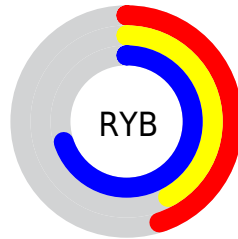
Distribution



Red (45%)

Green (42%)

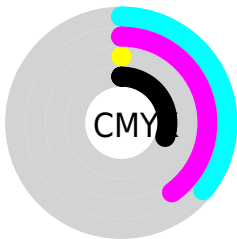
Blue (70%)



Red (45%)

Yellow (42%)

Blue (70%)

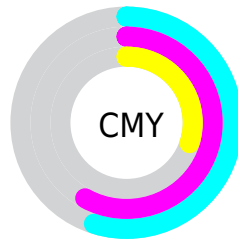


Cyan (36%)

Magenta (40%)

Yellow (0%)

Black (30%)



Cyan (55%)

Magenta (58%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3338, 17.3475, 44.9245 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 20.3338, 17.3475, 44.9245 by changing the saturation by 10% instead.

■ 20.3338, 17.3475,
44.9245

■ 20.3338, 17.3475,
44.9245

246.5158,
237.1670, 382.6189

■ 12.7476, 10.4826,
31.0554

■ 43.4758, 38.9223,
83.9244

■ 7.3308, 5.7201,
20.3823

■ 59.7623, 54.4009,
109.8922

■ 3.7180, 2.6756,
12.4864

■ 79.6796, 73.5196,
140.7301

■ 1.5438, 0.9648,
6.9493

■ 103.5931, 96.6627,
176.8566

■ 0.3554, 0.0000,
3.3524

131.8681,
124.2146, 218.6902

■ 0.0000, 0.0000,
1.2773

164.8700,

■ 0.0000, 0.0000,

156.5596, 266.6494

0.0431

202.9641,
194.0823, 321.1528

■ 0.0000, 0.0000,
0.0000

■ 20.3338, 17.3475,
44.9245

■ 20.3338, 17.3475,
44.9245

■ 16.7377, 13.0044,
44.2761

■ 24.6888, 22.6559,
45.7199

■ 13.8551, 9.5666,
43.7644

■ 29.8409, 28.9809,
46.6692

■ 11.6385, 6.9703,
43.3801

■ 35.8280, 36.3725,
47.7804

■ 10.0339, 5.1426,
43.1119

■ 42.6849, 44.8768,
49.0605

■ 8.9788, 3.9981,
42.9466

■ 50.4445, 54.5372,
50.5162

■ 8.3752, 3.3776,
42.8587

■ 59.1380, 65.3949,
52.1537

■ 68.7951, 77.4889,
53.9791

■ 79.4442, 90.8565,
55.9980

■ 85.1367, 96.0347,
56.6975

Harmonies

Analogous

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



16.2771, 17.3475, 49.6889



20.3338, 17.3475, 44.9245



23.7687, 17.3475, 32.5991

Triad

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



20.3338, 17.3475, 44.9245



20.7591, 17.3475, 5.8318



10.0481, 17.3475, 18.2877

Complementary

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



20.3338, 17.3475, 44.9245



35.7875, 42.0727, 20.1452

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.



10.8707, 17.3475, 9.6888



20.3338, 17.3475, 44.9245



16.7012, 17.3475, 4.4918

Square

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



20.3338, 17.3475, 44.9245



24.0403, 17.3475, 10.3786



13.1610, 17.3475, 5.5588



10.7109, 17.3475, 31.1089

Rectangle

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



20.3338, 17.3475, 44.9245



25.0193, 17.3475, 23.5713



13.1610, 17.3475, 5.5588



10.1572, 17.3475, 14.8710

Sweetspot

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



20.3344, 17.3481, 44.9249



61.9214, 62.3645, 85.1551



29.1441, 36.2681, 48.1125



13.4039, 13.4277, 18.8076



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.3344, 17.3481, 44.9249



30.8065, 24.2877, 79.4455



25.7893, 20.1602, 45.1802



8.1161, 8.2684, 10.6745



5.9448, 2.4004, 30.2870



0.2119, 0.0884, 0.9541

Inverse Universe

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



31.2949, 23.0782, 41.8349



53.1723, 35.9901, 72.7048



29.0910, 38.6205, 19.8318



8.8137, 8.6322, 10.5174



17.7333, 8.6109, 24.8192



0.5682, 0.2750, 0.8348

Previews

White Background



This preview shows how the XYZ color 20.3338, 17.3475, 44.9245 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 20.3338, 17.3475, 44.9245 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 20.3338, 17.3475, 44.9245

Background



This preview shows how black text looks on a background with the XYZ color 20.3338, 17.3475, 44.9245.

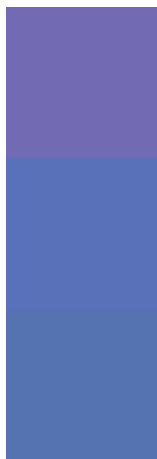


This preview shows how white text looks on a background with the XYZ color 20.3338, 17.3475,

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

20.3338, 17.3475, 44.9245

Protanopia

18.6866, 17.3877, 48.2702

Deuteranopia

17.8129, 17.3671, 44.0083



Tritanopia

15.7887, 17.3140, 22.5884

Trichromacy



Original Color

20.3338, 17.3475, 44.9245

Protanomaly

19.1614, 17.3292, 47.1347

Deuteranomaly

18.6539, 17.2895, 44.4735

Tritanomaly

17.1495, 17.1741, 29.6052

Monochromacy



Original Color

20.3338, 17.3475, 44.9245

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8412, 17.4167, 27.2324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3338, 17.3475, 44.9245 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(114, 107, 179)` looks like.

```
.text, #text, p{  
    color:rgb(114, 107, 179)  
}
```

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(114, 107, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 107, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.3338, 17.3475, 44.9245 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(114, 107, 179) }
```


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

```
.border{ border-color:rgb(114, 107, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 107, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 107, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 107, 179);  
box-shadow:4px 4px 4px 4px rgb(114, 107,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3338, 17.3475, 44.9245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 107, 179) }
```

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

```
.background{ background-color: rgb(114,  
107, 179) }
```

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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