

Converting Colors

XYZ(20.7941, 20.8834, 35.7358)

Have a look what the booklet for
XYZ(20.7941, 20.8834, 35.7358)
contains.

XYZ(20.7941, 20.8834, 35.7358)	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(20.7941, 20.8834,
35.7358)**

Conversions

Conversions Part 1

Format	Color
Hex	747D9F
RGB	116, 125, 159
RGB Percent	45%, 49%, 62%
CMY	0.5451, 0.5098, 0.3765
CMYK	0.27, 0.21, 0.00, 0.38
HSL	227°, 18%, 54%
HSV	227°, 27%, 62%
XYZ	20.7941, 20.8834, 35.7358
YIQ	126.1850, -16.2780, 8.6660

Conversions

Conversions Part 2

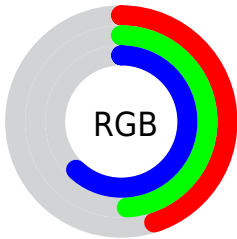
Format	Color
R_{YB}	116, 123, 159
Decimal	7634335
CIE _{Lab}	52.82, 4.64, -19.30
CIE _{LCh}	53, 19.848, 283.505
Yxy	20.8834, 0.2686, 0.2698
Android (android.graphics.Color)	4285824415 (0xFF747D9F)
YUV	126.1850, 16.1778, -8.9322
Hunter-Lab	45.6984, 1.2506, -14.3755

Details

The XYZ color **20.7941, 20.8834, 35.7358** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3572, 30.4450, 20.9056**, and the grayscale version is **19.8453, 20.8788, 22.7370**.

A 20% lighter version of the original color is **44.4202, 45.1308, 69.9883**, and **7.5530, 7.4237, 14.9448** is the 20% darker color. If you saturate the color by 10%, you get **17.3667, 16.9019, 35.1483**, and if you desaturate by 10%, it is **24.7861, 25.4560, 36.4083**.

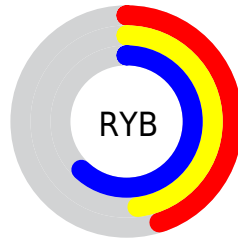
Distribution



Red (45%)

Green (49%)

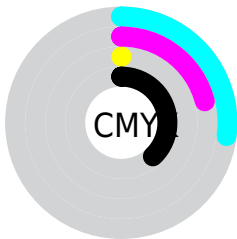
Blue (62%)



Red (45%)

Yellow (48%)

Blue (62%)

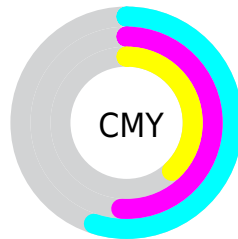


Cyan (27%)

Magenta (21%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (51%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7941, 20.8834, 35.7358 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 20.7941, 20.8834, 35.7358 by changing the saturation by 10% instead.

■ 20.7941, 20.8834,
35.7358

■ 20.7941, 20.8834,
35.7358

248.9347,
256.6582, 342.8067

■ 13.0852, 13.0388,
23.9421

■ 44.2385, 44.8934,
69.7885

■ 7.5646, 7.4553,
15.0789

■ 60.7046, 61.8276,
92.8847

■ 3.8671, 3.7484,
8.7275

■ 80.8206, 82.5604,
120.5854

■ 1.6272, 1.5338,
4.4695

104.9517,
107.4763, 153.3093

■ 0.4101, 0.3124,
1.8863

133.4633,
136.9596, 191.4748

■ 0.0000, 0.0000,
0.4840

166.7208,

■ 0.0000, 0.0000,

171.3948, 235.5005

0.0000

205.0894,
211.1662, 285.8050

■ 20.7941, 20.8834,
35.7358

■ 20.7941, 20.8834,
35.7358

■ 17.3667, 16.9019,
35.1483

■ 24.7861, 25.4560,
36.4083

■ 14.4760, 13.4846,
34.6410

■ 29.3649, 30.6402,
37.1677

■ 12.0945, 10.6059,
34.2109

■ 34.5539, 36.4587,
38.0173

■ 10.1918, 8.2375,
33.8540

■ 40.3747, 42.9321,
38.9600

■ 8.7336, 6.3481,
33.5662

■ 46.8478, 50.0802,
39.9985

■ 7.6813, 4.9030,
33.3427

■ 53.9927, 57.9219,
41.1355

■ 6.9784, 3.8566,
33.1778

■ 61.8282, 66.4753,
42.3735

■ 6.8097, 3.6066,
33.1384

■ 70.3723, 75.7579,
43.7149

■ 78.1165, 85.0001,
45.0907

Harmonies

Analogous

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



18.7392, 20.8834, 35.5279



20.7941, 20.8834, 35.7358



22.7201, 20.8834, 32.0593

Triad

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



20.7941, 20.8834, 35.7358



22.8813, 20.8834, 15.7531



16.2687, 20.8834, 19.6501

Complementary

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



20.7941, 20.8834, 35.7358



28.3572, 30.4450, 20.9056

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.



17.2306, 20.8834, 15.4258



20.7941, 20.8834, 35.7358



21.0019, 20.8834, 13.4586

Square

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



20.7941, 20.8834, 35.7358



23.9806, 20.8834, 20.1765



18.9331, 20.8834, 13.3502



16.2216, 20.8834, 25.5086

Rectangle

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



20.7941, 20.8834, 35.7358



23.6326, 20.8834, 28.2182



18.9331, 20.8834, 13.3502



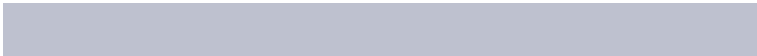
16.4925, 20.8834, 18.0185

Sweetspot

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



20.7948, 20.8842, 35.7363



51.6265, 53.7881, 66.4046



25.0807, 30.7016, 33.3252



11.3613, 11.8129, 14.9250



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7948, 20.8842, 35.7363



33.7027, 33.3045, 63.3955



21.4337, 19.5982, 35.4544



6.3917, 6.6491, 8.3532



5.4043, 2.9001, 26.1822



0.1231, 0.1049, 0.4770

Inverse Universe

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



24.2457, 21.3431, 22.2446



40.9079, 34.4325, 35.1880



27.5508, 32.2438, 21.2953



6.6870, 6.6677, 7.2031



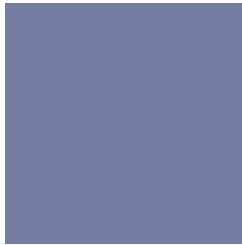
11.5260, 5.9150, 1.7551



0.2195, 0.1111, 0.1018

Previews

White Background



This preview shows how the XYZ color 20.7941, 20.8834, 35.7358 looks on a white background.

Color Contrast Check

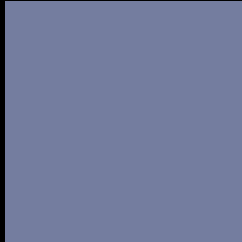
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7941, 20.8834, 35.7358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

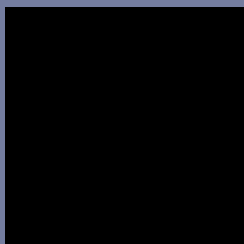
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

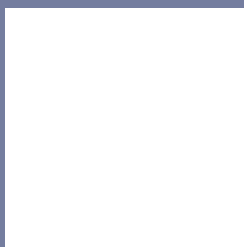
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7941, 20.8834, 35.7358

Background



This preview shows how black text looks on a background with the XYZ color 20.7941, 20.8834, 35.7358.



This preview shows how white text looks on a background with the XYZ color 20.7941, 20.8834,

35.7358.

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

20.7941, 20.8834, 35.7358

Protanopia

21.0628, 21.0220, 35.7484

Deuteranopia

21.3508, 20.9835, 35.7258



Tritanopia

19.1925, 21.0093, 27.4697

Trichromacy



Original Color

20.7941, 20.8834, 35.7358

Protanomaly

20.9277, 20.9523, 35.7421

Deuteranomaly

21.0734, 20.8404, 35.7128

Tritanomaly

19.7175, 21.0244, 30.2130

Monochromacy



Original Color

20.7941, 20.8834, 35.7358

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0743, 20.8943, 27.0197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7941, 20.8834, 35.7358 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(116, 125, 159)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 159)  
}
```

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(116, 125, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.7941, 20.8834, 35.7358 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(116, 125, 159) }
```


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

```
.border{ border-color:rgb(116, 125, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 125, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 125, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 125, 159);  
box-shadow:4px 4px 4px 4px rgb(116, 125,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7941, 20.8834, 35.7358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 159) }
```

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

```
.background{ background-color: rgb(116,  
125, 159) }
```

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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