

Converting Colors

XYZ(21.0442, 20.8851, 33.0592)

Have a look what the booklet for
XYZ(21.0442, 20.8851, 33.0592)
contains.

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Color

**XYZ(20.9835, 20.8528,
33.0560)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7C99
RGB	122, 124, 153
RGB Percent	48%, 49%, 60%
CMY	0.5216, 0.5137, 0.4000
CMYK	0.20, 0.19, 0.00, 0.40
HSL	236°, 13%, 54%
HSV	236°, 20%, 60%
XYZ	20.9835, 20.8528, 33.0560
YIQ	126.7080, -10.5010, 8.5950

Conversions

Conversions Part 2

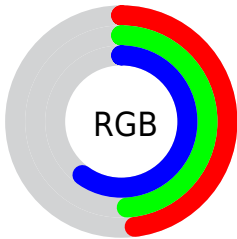
Format	Color
RYB	122, 124, 153
Decimal	8027289
CIELab	52.79, 5.69, -15.82
CIElCh	53, 16.812, 289.790
Yxy	20.8528, 0.2802, 0.2784
Android (android.graphics.Color)	4286217369 (0xFF7A7C99)
YUV	126.7080, 12.9620, -4.1289
Hunter-Lab	45.6649, 2.1092, -10.9536

Details

The XYZ color **20.9835, 20.8528, 33.0560** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7166, 30.3108, 22.8028**, and the grayscale version is **20.0329, 21.0761, 22.9519**.

A 20% lighter version of the original color is **44.4670, 44.6696, 65.3099**, and **7.6620, 7.4079, 13.5964** is the 20% darker color. If you saturate the color by 10%, you get **17.3200, 16.4924, 32.4078**, and if you desaturate by 10%, it is **25.2497, 25.9114, 33.8079**.

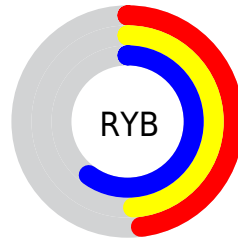
Distribution



Red (48%)

Green (49%)

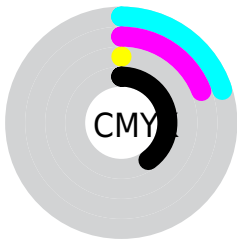
Blue (60%)



Red (48%)

Yellow (49%)

Blue (60%)

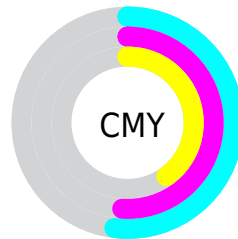


Cyan (20%)

Magenta (19%)

Yellow (0%)

Black (40%)



Cyan (52%)

Magenta (51%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9835, 20.8528, 33.0560 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 20.9835, 20.8528, 33.0560 by changing the saturation by 10% instead.

■ 20.9835, 20.8528,
33.0560

■ 20.9835, 20.8528,
33.0560

249.9242,
256.4952, 330.5417

■ 13.2243, 13.0164,
21.8979

■ 44.5516, 44.8424,
65.5800

■ 7.6613, 7.4399,
13.5843

■ 61.0912, 61.7645,
87.7829

■ 3.9289, 3.7387,
7.6967

■ 81.2883, 82.4839,
114.5045

■ 1.6620, 1.5285,
3.8165

105.5083,
107.3851, 146.1633

■ 0.4323, 0.3087,
1.5252

134.1165,
136.8524, 183.1779

■ 0.0000, 0.0000,
0.2366

167.4783,

■ 0.0000, 0.0000,

171.2703, 225.9669

0.0000

205.9591,
211.0230, 274.9486

■ 20.9835, 20.8528,
33.0560

■ 20.9835, 20.8528,
33.0560

■ 17.3200, 16.4924,
32.4078

■ 25.2497, 25.9114,
33.8079

■ 14.2302, 12.7972,
31.8574

■ 30.1422, 31.6944,
34.6663

■ 11.6857, 9.7351,
31.4005

■ 35.6853, 38.2297,
35.6355

■ 9.6546, 7.2707,
31.0318

■ 41.9018, 45.5428,
36.7195

■ 8.1019, 5.3647,
30.7458

■ 48.8133, 53.6583,
37.9216

■ 6.9883, 3.9734,
30.5359

■ 56.4403, 62.5994,
39.2455

■ 6.2681, 3.0463,
30.3949

■ 64.8026, 72.3887,
40.6943

■ 5.8570, 2.5143,
30.3139

■ 73.9192, 83.0477,
42.2712

■ 82.0570, 93.6943,
43.8972

Harmonies

Analogous

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



19.2284, 20.8528, 33.5950



20.9835, 20.8528, 33.0560



22.5078, 20.8528, 29.5264

Triad

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



20.9835, 20.8528, 33.0560



22.0771, 20.8528, 16.1008



16.6836, 20.8528, 21.0363

Complementary

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



20.9835, 20.8528, 33.0560



27.7166, 30.3108, 22.8028

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.



17.3551, 20.8528, 17.0247



20.9835, 20.8528, 33.0560



20.4236, 20.8528, 14.4666

Square

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



20.9835, 20.8528, 33.0560



23.1645, 20.8528, 19.5904



18.7002, 20.8528, 14.7779



16.8139, 20.8528, 26.1337

Rectangle

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



20.9835, 20.8528, 33.0560



23.1551, 20.8528, 26.2067



18.7002, 20.8528, 14.7779



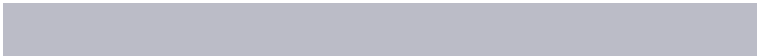
16.8215, 20.8528, 19.5303

Sweetspot

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



20.9842, 20.8537, 33.0565



48.7093, 50.5332, 61.1586



24.9982, 29.1526, 33.5596



10.6452, 11.0278, 13.4850



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9842, 20.8537, 33.0565



34.6862, 33.9060, 58.6883



22.7714, 21.4065, 33.0690



5.9149, 6.0872, 7.7922



4.8503, 2.0973, 25.0569



0.0800, 0.0463, 0.3771

Inverse Universe

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



23.7351, 22.1472, 22.0936



40.4728, 36.6557, 35.6211



25.6469, 29.7259, 22.7990



6.2242, 6.2288, 6.5606



10.9070, 5.6170, 0.7693



0.1668, 0.0855, 0.0313

Previews

White Background



This preview shows how the XYZ color 20.9835, 20.8528, 33.0560 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 20.9835, 20.8528, 33.0560 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 20.9835, 20.8528, 33.0560

Background



This preview shows how black text looks on a background with the XYZ color 20.9835, 20.8528, 33.0560.



This preview shows how white text looks on a background with the XYZ color 20.9835, 20.8528,

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

20.9835, 20.8528, 33.0560

Protanopia

20.6911, 20.8891, 33.0784

Deuteranopia

21.2902, 20.8258, 33.0347



Tritanopia

19.7125, 20.9068, 26.6634

Trichromacy



Original Color

20.9835, 20.8528, 33.0560

Protanomaly

20.8291, 20.9602, 33.0849

Deuteranomaly

21.1449, 20.7509, 33.0279

Tritanomaly

20.1645, 20.8979, 28.9575

Monochromacy



Original Color

20.9835, 20.8528, 33.0560

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3622, 21.0593, 26.2842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9835, 20.8528, 33.0560 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(122, 124, 153)` looks like.

```
.text, #text, p{  
    color:rgb(122, 124, 153)  
}
```

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(122, 124, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 124, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.9835, 20.8528, 33.0560 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(122, 124, 153) }
```


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

```
.border{ border-color:rgb(122, 124, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 124, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 124, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 124, 153);  
box-shadow:4px 4px 4px 4px rgb(122, 124,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9835, 20.8528, 33.0560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 124, 153) }
```

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

```
.background{ background-color: rgb(122,  
124, 153) }
```

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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