

Converting Colors

XYZ(20.3216, 22.2631, 33.3631)

Have a look what the booklet for
XYZ(20.3216, 22.2631, 33.3631)
contains.

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Color

**XYZ(20.3216, 22.2631,
33.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	6C8599
RGB	108, 133, 153
RGB Percent	42%, 52%, 60%
CMY	0.5765, 0.4784, 0.4000
CMYK	0.29, 0.13, 0.00, 0.40
HSL	207°, 18%, 51%
HSV	207°, 29%, 60%
XYZ	20.3216, 22.2631, 33.3631
YIQ	127.8050, -21.3200, 0.9200

Conversions

Conversions Part 2

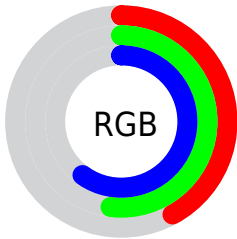
Format	Color
R_{YB}	108, 124, 153
Decimal	7112089
CIE _{Lab}	54.31, -4.06, -13.62
CIE _{LCh}	54, 14.210, 253.406
Yxy	22.2631, 0.2676, 0.2931
Android (android.graphics.Color)	4285302169 (0xFF6C8599)
YUV	127.8050, 12.4211, -17.3690
Hunter-Lab	47.1838, -5.6934, -8.8946

Details

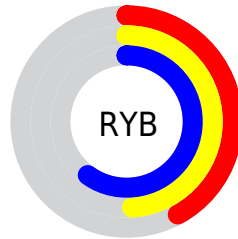
The XYZ color **20.3216, 22.2631, 33.3631** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5630, 23.2934, 17.4420**, and the grayscale version is **20.4144, 21.4776, 23.3891**.

A 20% lighter version of the original color is **43.3186, 47.0964, 65.8389**, and **7.3722, 8.2298, 13.7703** is the 20% darker color. If you saturate the color by 10%, you get **17.7208, 19.5853, 32.9837**, and if you desaturate by 10%, it is **23.3107, 25.2316, 33.7789**.

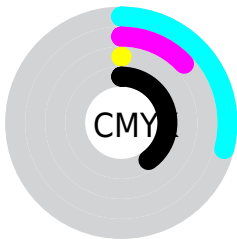
Distribution



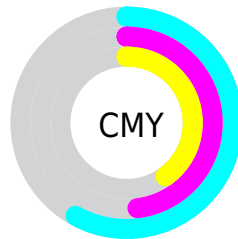
- Red (42%)
- Green (52%)
- Blue (60%)



- Red (42%)
- Yellow (49%)
- Blue (60%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



- Cyan (58%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3216, 22.2631, 33.3631 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 20.3216, 22.2631, 33.3631 by changing the saturation by 10% instead.

■ 20.3216, 22.2631,
33.3631

■ 20.3216, 22.2631,
33.3631

246.4514,
263.9172, 331.9648

■ 12.7387, 14.0503,
22.1314

■ 43.4556, 47.1805,
66.0645

■ 7.3246, 8.1557,
13.7542

■ 59.7373, 64.6539,
88.3713

■ 3.7140, 4.1947,
7.8131

■ 79.6493, 85.9829,
115.2068

■ 1.5417, 1.7831,
3.8895

■ 103.5570,
111.5521, 146.9897

■ 0.3539, 0.4766,
1.5649

131.8257,
141.7457, 184.1383

■ 0.0000, 0.0000,
0.2656

164.8207,

■ 0.0000, 0.0000,

176.9481, 227.0714

0.0000

202.9075,
217.5438, 276.2073

■ 20.3216, 22.2631,
33.3631

■ 20.3216, 22.2631,
33.3631

■ 17.7208, 19.5853,
32.9837

■ 23.3107, 25.2316,
33.7789

■ 15.4879, 17.1844,
32.6380

■ 26.7028, 28.4985,
34.2307

■ 13.6039, 15.0495,
32.3252

■ 30.5146, 32.0744,
34.7200

■ 12.0469, 13.1674,
32.0440

■ 34.7611, 35.9686,
35.2479

■ 10.7924, 11.5237,
31.7928

■ 39.4563, 40.1900,
35.8152

■ 9.8119, 10.1018,
31.5700

■ 44.6139, 44.7469,
36.4229

■ 9.0417, 8.8669,
31.3723

■ 50.2468, 49.6476,
37.0720

■ 8.9988, 8.7978,
31.3612

■ 56.3673, 54.8997,
37.7632

■ 62.9876, 60.5110,
38.4973

Harmonies

Analogous

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



19.0706, 22.2631, 30.5835



20.3216, 22.2631, 33.3631



21.8581, 22.2631, 33.5153

Triad

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



20.3216, 22.2631, 33.3631



24.1901, 22.2631, 22.3175



19.1801, 22.2631, 18.5596

Complementary

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



20.3216, 22.2631, 33.3631



23.5630, 23.2934, 17.4420

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.



20.4777, 22.2631, 16.8576



20.3216, 22.2631, 33.3631



23.3975, 22.2631, 18.8418

Square

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



20.3216, 22.2631, 33.3631



24.1433, 22.2631, 26.7579



22.0220, 22.2631, 16.9541



18.4339, 22.2631, 21.8866

Rectangle

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



20.3216, 22.2631, 33.3631



22.8420, 22.2631, 32.0767



22.0220, 22.2631, 16.9541



19.5635, 22.2631, 17.7977

Sweetspot

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



20.3223, 22.2640, 33.3636



47.9717, 51.1800, 61.3223



21.4394, 27.5164, 24.4316



10.4019, 11.1196, 13.5156



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.



20.3223, 22.2640, 33.3636



33.3895, 36.7997, 59.3152



17.6190, 16.8574, 32.4625



6.1547, 6.5668, 7.8721



7.4709, 7.3384, 25.9304



0.1479, 0.1822, 0.3997

Inverse Universe

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



22.7336, 19.1914, 24.6974



38.4789, 30.7299, 40.9308



26.7504, 29.6681, 18.5045



6.3452, 6.2772, 7.1980



12.2297, 6.1461, 7.7347



0.2011, 0.0992, 0.2120

Previews

White Background



This preview shows how the XYZ color 20.3216, 22.2631, 33.3631 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 20.3216, 22.2631, 33.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

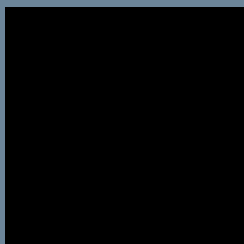
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

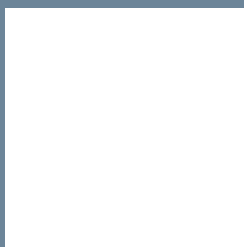
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3216, 22.2631, 33.3631

Background



This preview shows how black text looks on a background with the XYZ color 20.3216, 22.2631, 33.3631.

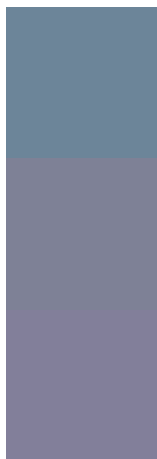


This preview shows how white text looks on a background with the XYZ color 20.3216, 22.2631,

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

20.3216, 22.2631, 33.3631

Protanopia

21.9595, 22.3381, 32.0085

Deuteranopia

22.6280, 22.2577, 33.6754



Tritanopia

19.5798, 22.1587, 30.0332

Trichromacy



Original Color

20.3216, 22.2631, 33.3631

Protanomaly

21.1763, 22.1216, 32.4319

Deuteranomaly

21.7090, 22.1712, 33.7071

Tritanomaly

19.9338, 22.3141, 31.2734

Monochromacy



Original Color

20.3216, 22.2631, 33.3631

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3831, 21.8364, 26.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3216, 22.2631, 33.3631 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(108, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(108, 133, 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(108, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 133, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.3216, 22.2631, 33.3631 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(108, 133, 153) }
```


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

```
.border{ border-color:rgb(108, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(108, 133,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3216, 22.2631, 33.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 133, 153) }
```

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

```
.background{ background-color: rgb(108,  
133, 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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