

Converting Colors

XYZ(20.7883, 22.8816, 35.2354)

Have a look what the booklet for
XYZ(20.7883, 22.8816, 35.2354)
contains.

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Color

**XYZ(20.8132, 22.8881,
35.2192)**

Conversions

Conversions Part 1

Format	Color
Hex	6B879D
RGB	107, 135, 157
RGB Percent	42%, 53%, 62%
CMY	0.5804, 0.4706, 0.3843
CMYK	0.32, 0.14, 0.00, 0.38
HSL	206°, 20%, 52%
HSV	206°, 32%, 62%
XYZ	20.8132, 22.8881, 35.2192
YIQ	129.1360, -23.7500, 0.9060

Conversions

Conversions Part 2

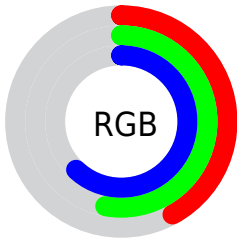
Format	Color
R _Y B	107, 125, 157
Decimal	7047069
CIE Lab	54.96, -4.48, -14.95
CIE LCh	55, 15.606, 253.331
Yxy	22.8881, 0.2637, 0.2900
Android (android.graphics.Color)	4285237149 (0xFF6B879D)
YUV	129.1360, 13.7370, -19.4133
Hunter-Lab	47.8415, -6.0671, -10.1581

Details

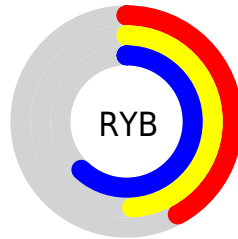
The XYZ color **20.8132, 22.8881, 35.2192** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.4091, 23.9304, 17.2431**, and the grayscale version is **20.8738, 21.9609, 23.9154**.

A 20% lighter version of the original color is **44.3641, 48.1935, 69.2514**, and **7.5374, 8.4075, 14.8612** is the 20% darker color. If you saturate the color by 10%, you get **18.1617, 20.1371, 34.8283**, and if you desaturate by 10%, it is **23.8714, 25.9427, 35.6480**.

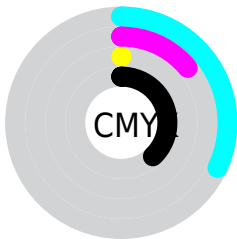
Distribution



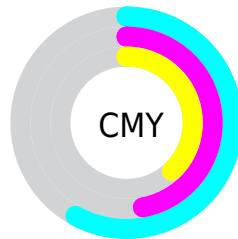
- Red (42%)
- Green (53%)
- Blue (62%)



- Red (42%)
- Yellow (49%)
- Blue (62%)



- Cyan (32%)
- Magenta (14%)
- Yellow (0%)
- Black (38%)



- Cyan (58%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8132, 22.8881, 35.2192 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 20.8132, 22.8881, 35.2192 by changing the saturation by 10% instead.

■ 20.8132, 22.8881,
35.2192

■ 20.8132, 22.8881,
35.2192

249.0346,
267.1497, 340.4684

■ 13.0992, 14.5109,
23.5469

■ 44.2701, 48.2095,
68.9806

■ 7.5744, 8.4769,
14.7887

■ 60.7436, 65.9225,
91.9068

■ 3.8733, 4.4016,
8.5263

■ 80.8678, 87.5163,
119.4213

■ 1.6307, 1.9006,
4.3409

■ 105.0079,
113.3751, 151.9428

■ 0.4123, 0.5488,
1.8142

133.5293,
143.8835, 189.8897

■ 0.0000, 0.0000,
0.4373

166.7973,

■ 0.0000, 0.0000,

179.4258, 233.6806

0.0000

205.1773,
220.3864, 283.7340

■ 20.8132, 22.8881,
35.2192

■ 20.8132, 22.8881,
35.2192

■ 18.1617, 20.1371,
34.8283

■ 23.8714, 25.9427,
35.6480

■ 15.8950, 17.6750,
34.4726

■ 27.3525, 29.3094,
36.1144

■ 13.9924, 15.4898,
34.1511

■ 31.2743, 32.9994,
36.6199

■ 12.4299, 13.5675,
33.8624

■ 35.6530, 37.0228,
37.1657

■ 11.1805, 11.8921,
33.6048

■ 40.5038, 41.3889,
37.7528

■ 10.2124, 10.4452,
33.3766

■ 45.8413, 46.1069,
38.3821

■ 9.5694, 9.4014,
33.2090

■ 51.6794, 51.1854,
39.0547

■ 58.0314, 56.6326,
39.7713

■ 64.9101, 62.4568,
40.5329

Harmonies

Analogous

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



19.4210, 22.8881, 32.0551



20.8132, 22.8881, 35.2192



22.5313, 22.8881, 35.4006

Triad

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



20.8132, 22.8881, 35.2192



25.1582, 22.8881, 22.7863



19.5484, 22.8881, 18.6080

Complementary

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



20.8132, 22.8881, 35.2192



24.4091, 23.9304, 17.2431

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.



20.9956, 22.8881, 16.7456



20.8132, 22.8881, 35.2192



24.2677, 22.8881, 18.9331

Square

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



20.8132, 22.8881, 35.2192



25.1030, 22.8881, 27.7581



22.7237, 22.8881, 16.8561



18.7178, 22.8881, 22.2846

Rectangle

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



20.8132, 22.8881, 35.2192



23.6360, 22.8881, 33.7687



22.7237, 22.8881, 16.8561



19.9755, 22.8881, 17.7722

Sweetspot

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



20.8139, 22.8890, 35.2197



50.0912, 53.5418, 64.8213



22.0612, 28.8164, 25.0528



10.8306, 11.5993, 14.2384



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.8139, 22.8890, 35.2197



33.9289, 37.5412, 62.5847



17.7618, 16.7847, 34.2023



6.5773, 7.0204, 8.4151



7.8094, 7.7103, 26.9839



0.1814, 0.2214, 0.4964

Inverse Universe

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



23.5361, 19.4334, 25.4332



39.6698, 30.7804, 41.8276



28.0596, 31.2314, 18.4599



6.7808, 6.7052, 7.6966



12.7400, 6.4006, 8.1479



0.2489, 0.1229, 0.2566

Previews

White Background



This preview shows how the XYZ color 20.8132, 22.8881, 35.2192 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 20.8132, 22.8881, 35.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

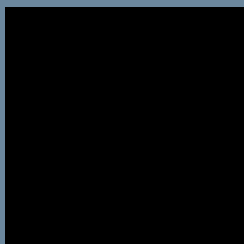
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

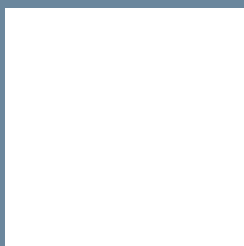
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8132, 22.8881, 35.2192

Background



This preview shows how black text looks on a background with the XYZ color 20.8132, 22.8881, 35.2192.



This preview shows how white text looks on a background with the XYZ color 20.8132, 22.8881,

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

20.8132, 22.8881, 35.2192

Protanopia

22.5678, 22.8104, 33.7852

Deuteranopia

23.0966, 22.6528, 35.5029



Tritanopia

20.1167, 23.0327, 31.4025

Trichromacy



Original Color

20.8132, 22.8881, 35.2192

Protanomaly

21.9134, 22.8622, 34.2682

Deuteranomaly

22.3139, 22.8388, 35.5800

Tritanomaly

20.3339, 22.9069, 32.6279

Monochromacy



Original Color

20.8132, 22.8881, 35.2192

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6617, 22.1616, 27.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8132, 22.8881, 35.2192 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(107, 135, 157)` looks like.

```
.text, #text, p{  
    color:rgb(107, 135, 157)  
}
```

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(107, 135, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 135, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.8132, 22.8881, 35.2192 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(107, 135, 157) }
```


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

```
.border{ border-color:rgb(107, 135, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 135, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 135, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 135, 157);  
box-shadow:4px 4px 4px 4px rgb(107, 135,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8132, 22.8881, 35.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 135, 157) }
```

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

```
.background{ background-color: rgb(107,  
135, 157) }
```

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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