

Converting Colors

XYZ(20.4787, 22.8245, 27.8260)

Have a look what the booklet for
XYZ(20.4787, 22.8245, 27.8260)
contains.

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Color

**XYZ(20.5266, 22.9050,
27.7653)**

Conversions

Conversions Part 1

Format	Color
Hex	74878B
RGB	116, 135, 139
RGB Percent	45%, 53%, 55%
CMY	0.5451, 0.4706, 0.4549
CMYK	0.17, 0.03, 0.00, 0.45
HSL	190°, 9%, 50%
HSV	190°, 17%, 55%
XYZ	20.5266, 22.9050, 27.7653
YIQ	129.7750, -12.6080, -2.7840

Conversions

Conversions Part 2

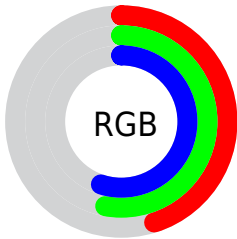
Format	Color
R_{YB}	116, 126, 139
Decimal	7636875
CIE _{Lab}	54.97, -5.94, -4.46
CIE _{LCh}	55, 7.427, 216.878
Yxy	22.9050, 0.2883, 0.3217
Android (android.graphics.Color)	4285826955 (0xFF74878B)
YUV	129.7750, 4.5479, -12.0807
Hunter-Lab	47.8592, -7.1956, -0.8954

Details

The XYZ color **20.5266, 22.9050, 27.7653** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.5164, 20.1828, 19.3377**, and the grayscale version is **21.1268, 22.2270, 24.2052**.

A 20% lighter version of the original color is **43.6461, 48.0970, 56.8524**, and **7.3664, 8.4116, 10.6865** is the 20% darker color. If you saturate the color by 10%, you get **18.4823, 21.3569, 27.5746**, and if you desaturate by 10%, it is **22.8564, 24.6128, 27.9725**.

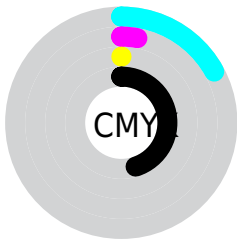
Distribution



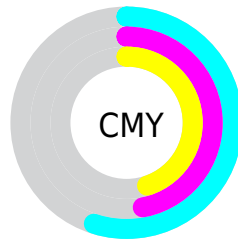
- Red (45%)
- Green (53%)
- Blue (55%)



- Red (45%)
- Yellow (49%)
- Blue (55%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5266, 22.9050, 27.7653 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 20.5266, 22.9050, 27.7653 by changing the saturation by 10% instead.

■ 20.5266, 22.9050,
27.7653

■ 20.5266, 22.9050,
27.7653

247.5314,
267.2367, 305.2203

■ 12.8889, 14.5234,
17.9113

■ 43.7956, 48.2373,
57.1281

■ 7.4285, 8.4856,
10.7176

■ 60.1575, 65.9567,
77.4740

■ 3.7802, 4.4072,
5.7655

■ 80.1583, 87.5576,
102.1543

■ 1.5786, 1.9038,
2.6365

104.1632,
113.4243, 131.5875

■ 0.3784, 0.5507,
0.9112

132.5376,
143.9411, 166.1921

■ 0.0000, 0.0000,
0.0000

165.6469,

179.4925, 206.3868

203.8564,
220.4629, 252.5900

■ 20.5266, 22.9050,
27.7653

■ 20.5266, 22.9050,
27.7653

■ 18.4823, 21.3569,
27.5746

■ 22.8564, 24.6128,
27.9725

■ 16.7092, 19.9593,
27.3983

■ 25.4813, 26.4836,
28.1953

■ 15.1947, 18.7062,
27.2362

■ 28.4126, 28.5239,
28.4346

■ 13.9245, 17.5902,
27.0878

■ 31.6609, 30.7392,
28.6910

■ 12.8829, 16.6032,
26.9522

■ 35.2359, 33.1345,
28.9649

■ 12.0522, 15.7357,
26.8285

■ 39.1470, 35.7148,
29.2568

■ 11.4120, 14.9775,
26.7159

■ 43.4032, 38.4848,
29.5671

■ 10.9281, 14.3106,
26.6127

■ 48.0132, 41.4491,
29.8963

■ 10.7726, 14.0888,
26.5781

■ 52.9853, 44.6119,
30.2448

Harmonies

Analogous

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



20.2339, 22.9050, 25.4874



20.5266, 22.9050, 27.7653



21.1538, 22.9050, 29.3535

Triad

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



20.5266, 22.9050, 27.7653



23.2616, 22.9050, 26.7658



21.5812, 22.9050, 20.6974

Complementary

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



20.5266, 22.9050, 27.7653



20.5164, 20.1828, 19.3377

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.



22.3992, 22.9050, 20.9921



20.5266, 22.9050, 27.7653



23.3830, 22.9050, 24.3998

Square

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



20.5266, 22.9050, 27.7653



22.7360, 22.9050, 28.7514



23.0637, 22.9050, 22.3125



20.8328, 22.9050, 21.4806

Rectangle

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



20.5266, 22.9050, 27.7653



21.6843, 22.9050, 29.7544



23.0637, 22.9050, 22.3125



21.8570, 22.9050, 20.6745

Sweetspot

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



20.5273, 22.9059, 27.7658



41.5741, 44.5401, 50.1489



19.8155, 23.5306, 21.2142



9.5154, 10.2168, 11.5500



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.5273, 22.9059, 27.7658



35.2770, 39.9084, 49.5868



19.0290, 19.9094, 27.2664



5.1001, 5.5432, 6.4070



9.7336, 12.7375, 23.9913



0.0737, 0.1026, 0.1624

Inverse Universe

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



21.2665, 19.7295, 25.6100



36.8826, 33.1173, 44.8801



21.9613, 23.0726, 19.8194



5.1972, 5.1143, 6.1268



12.3999, 6.0701, 15.1419



0.0869, 0.0421, 0.1245

Previews

White Background



This preview shows how the XYZ color 20.5266, 22.9050, 27.7653 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 20.5266, 22.9050, 27.7653 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

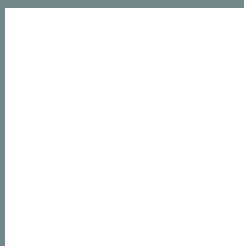
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5266, 22.9050, 27.7653

Background



This preview shows how black text looks on a background with the XYZ color 20.5266, 22.9050, 27.7653.



This preview shows how white text looks on a background with the XYZ color 20.5266, 22.9050,

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

20.5266, 22.9050, 27.7653

Protanopia

22.0760, 22.9157, 26.5522

Deuteranopia

23.3421, 22.9369, 28.3963



Tritanopia

20.9721, 22.8764, 30.0983

Trichromacy



Original Color

20.5266, 22.9050, 27.7653

Protanomaly

21.3708, 22.7443, 26.9306

Deuteranomaly

22.2100, 22.9513, 28.0704

Tritanomaly

20.8191, 22.8153, 29.2931

Monochromacy



Original Color

20.5266, 22.9050, 27.7653

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9423, 22.5560, 25.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5266, 22.9050, 27.7653 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, 135, 139)` looks like.

```
.text, #text, p{  
    color:rgb(116, 135, 139)  
}
```

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, 135, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.5266, 22.9050, 27.7653 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, 135, 139) }
```


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

```
.border{ border-color:rgb(116, 135, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 135, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(116, 135,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5266, 22.9050, 27.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 135, 139) }
```

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

```
.background{ background-color: rgb(116,  
135, 139) }
```

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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