

Converting Colors

XYZ(20.4229, 20.4789, 28.4676)

Have a look what the booklet for
XYZ(20.4229, 20.4789, 28.4676)
contains.

XYZ(20.4229, 20.4789, 28.4676)	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(20.4229, 20.4789,
28.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7B8E
RGB	125, 123, 142
RGB Percent	49%, 48%, 56%
CMY	0.5098, 0.5176, 0.4431
CMYK	0.12, 0.13, 0.00, 0.44
HSL	246°, 8%, 52%
HSV	246°, 13%, 56%
XYZ	20.4229, 20.4789, 28.4676
YIQ	125.7640, -4.9070, 6.3330

Conversions

Conversions Part 2

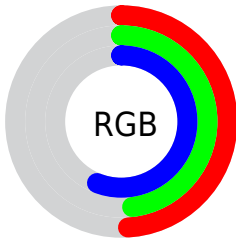
Format	Color
R_{YB}	125, 123, 142
Decimal	8223630
CIE _{Lab}	52.37, 4.76, -10.00
CIE _{LCh}	52, 11.075, 295.451
Yxy	20.4789, 0.2944, 0.2952
Android (android.graphics.Color)	4286413710 (0xFF7D7B8E)
YUV	125.7640, 8.0043, -0.6700
Hunter-Lab	45.2536, 1.3630, -5.6199

Details

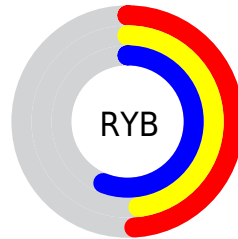
The XYZ color **20.4229, 20.4789, 28.4676** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.0641, 26.3520, 22.5580**, and the grayscale version is **19.7265, 20.7538, 22.6009**.

A 20% lighter version of the original color is **43.6539, 44.1104, 58.4379**, and **7.3610, 7.2068, 11.1283** is the 20% darker color. If you saturate the color by 10%, you get **17.0499, 16.3124, 27.8415**, and if you desaturate by 10%, it is **24.2900, 25.2805, 29.1909**.

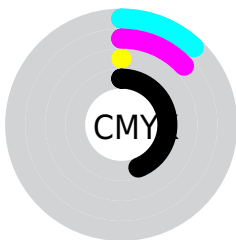
Distribution



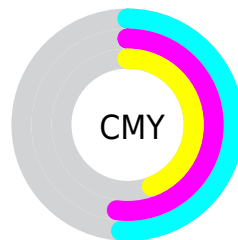
- Red (49%)
- Green (48%)
- Blue (56%)



- Red (49%)
- Yellow (48%)
- Blue (56%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (44%)



- Cyan (51%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4229, 20.4789, 28.4676 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 20.4229, 20.4789, 28.4676 by changing the saturation by 10% instead.

■ 20.4229, 20.4789,
28.4676

■ 20.4229, 20.4789,
28.4676

246.9856,
254.4960, 308.6765

■ 12.8129, 12.7436,
18.4363

■ 43.6236, 44.2186,
58.2622

■ 7.3759, 7.2523,
11.0910

■ 59.9450, 60.9919,
78.8626

■ 3.7467, 3.6204,
6.0132

■ 79.9010, 81.5467,
103.8231

■ 1.5599, 1.4635,
2.7842

103.8567,
106.2672, 133.5623

■ 0.3660, 0.2629,
0.9855

132.1777,
135.5381, 168.4987

■ 0.0000, 0.0000,
0.0000

165.2293,

169.7436, 209.0508

203.3768,
209.2681, 255.6373

■ 20.4229, 20.4789,
28.4676

■ 20.4229, 20.4789,
28.4676

■ 17.0499, 16.3124,
27.8415

■ 24.2900, 25.2805,
29.1909

■ 14.1492, 12.7520,
27.3071

■ 28.6682, 30.7396,
30.0139

■ 11.7003, 9.7701,
26.8606

■ 33.5757, 36.8807,
30.9406

■ 9.6802, 7.3360,
26.4973

■ 39.0295, 43.7261,
31.9744

■ 8.0641, 5.4163,
26.2119

■ 45.0458, 51.2974,
33.1187

■ 6.8246, 3.9737,
25.9988

■ 51.6400, 59.6148,
34.3766

■ 5.9306, 2.9661,
25.8514

■ 58.8270, 68.6983,
35.7511

■ 5.3460, 2.3434,
25.7621

■ 66.6212, 78.5666,
37.2451

■ 5.0785, 2.0540,
25.7203

■ 75.0365, 89.2381,
38.8613

Harmonies

Analogous

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



19.2911, 20.4789, 29.1677



20.4229, 20.4789, 28.4676



21.3285, 20.4789, 26.0553

Triad

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



20.4229, 20.4789, 28.4676



20.7357, 20.4789, 17.5121



17.3581, 20.4789, 21.8033

Complementary

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



20.4229, 20.4789, 28.4676



24.0641, 26.3520, 22.5580

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.



17.7126, 20.4789, 18.9206



20.4229, 20.4789, 28.4676



19.6391, 20.4789, 16.6017

Square

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



20.4229, 20.4789, 28.4676



21.5140, 20.4789, 19.7049



18.5367, 20.4789, 17.0912



17.5497, 20.4789, 25.1093

Rectangle

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



20.4229, 20.4789, 28.4676



21.6668, 20.4789, 23.9143



18.5367, 20.4789, 17.0912



17.4169, 20.4789, 20.7563

Sweetspot

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



20.4235, 20.4798, 28.4681



42.3234, 43.9456, 51.3795



22.4442, 24.9499, 29.2244



9.3437, 9.6794, 11.4553



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.



20.4235, 20.4798, 28.4681



34.1684, 33.8289, 49.8566



21.8615, 21.2211, 28.5354



5.1790, 5.2805, 6.7750



4.5682, 1.8486, 23.0931



0.0520, 0.0220, 0.2212

Inverse Universe

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



22.9726, 21.8110, 27.8111



39.5544, 36.6423, 48.4409



22.5470, 25.5700, 22.4870



5.6022, 5.5014, 6.6689



13.4630, 6.5422, 18.6212



0.1333, 0.0644, 0.2020

Previews

White Background



This preview shows how the XYZ color 20.4229, 20.4789, 28.4676 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 20.4229, 20.4789, 28.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

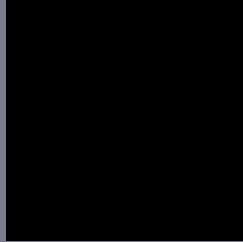
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4229, 20.4789, 28.4676

Background



This preview shows how black text looks on a background with the XYZ color 20.4229, 20.4789, 28.4676.



This preview shows how white text looks on a background with the XYZ color 20.4229, 20.4789,

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

20.4229, 20.4789, 28.4676

Protanopia

20.1916, 20.5360, 28.8862

Deuteranopia

20.8953, 20.5392, 28.4543



Tritanopia

19.8229, 20.4216, 25.4512

Trichromacy



Original Color

20.4229, 20.4789, 28.4676

Protanomaly

20.3340, 20.6094, 28.8929

Deuteranomaly

20.7441, 20.4613, 28.4473

Tritanomaly

20.0352, 20.5065, 26.5691

Monochromacy



Original Color

20.4229, 20.4789, 28.4676

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1027, 20.7688, 24.7790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4229, 20.4789, 28.4676 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(125, 123, 142)` looks like.

```
.text, #text, p{  
    color:rgb(125, 123, 142)  
}
```

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(125, 123, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 123, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.4229, 20.4789, 28.4676 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(125, 123, 142) }
```


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

```
.border{ border-color:rgb(125, 123, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 123, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 123, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 123, 142);  
box-shadow:4px 4px 4px 4px rgb(125, 123,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4229, 20.4789, 28.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 123, 142) }
```

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

```
.background{ background-color: rgb(125,  
123, 142) }
```

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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