

Converting Colors

XYZ(20.4742, 17.3896, 32.4144)

Have a look what the booklet for
XYZ(20.4742, 17.3896, 32.4144)
contains.

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Color

**XYZ(20.4742, 17.3896,
32.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	856999
RGB	133, 105, 153
RGB Percent	52%, 41%, 60%
CMY	0.4784, 0.5882, 0.4000
CMYK	0.13, 0.31, 0.00, 0.40
HSL	275°, 19%, 51%
HSV	275°, 31%, 60%
XYZ	20.4742, 17.3896, 32.4144
YIQ	118.8440, 1.2800, 20.8640

Conversions

Conversions Part 2

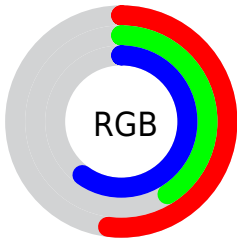
Format	Color
R_{YB}	133, 105, 153
Decimal	8743321
CIE _{Lab}	48.75, 20.64, -21.91
CIE _{LCh}	49, 30.104, 313.296
Yxy	17.3896, 0.2913, 0.2474
Android (android.graphics.Color)	4286933401 (0xFF856999)
YUV	118.8440, 16.8389, 12.4148
Hunter-Lab	41.7008, 14.6631, -16.8960

Details

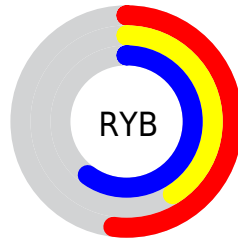
The XYZ color **20.4742, 17.3896, 32.4144** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.3990, 28.1628, 17.6208**, and the grayscale version is **17.4340, 18.3419, 19.9743**.

A 20% lighter version of the original color is **43.6445, 38.8467, 64.2293**, and **7.4287, 5.7246, 13.2838** is the 20% darker color. If you saturate the color by 10%, you get **18.0778, 14.0456, 31.8955**, and if you desaturate by 10%, it is **23.2132, 21.3273, 33.0304**.

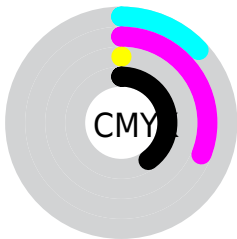
Distribution



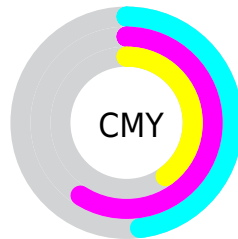
- Red (52%)
- Green (41%)
- Blue (60%)



- Red (52%)
- Yellow (41%)
- Blue (60%)



- Cyan (13%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4742, 17.3896, 32.4144 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 20.4742, 17.3896, 32.4144 by changing the saturation by 10% instead.

■ 20.4742, 17.3896,
32.4144

■ 20.4742, 17.3896,
32.4144

247.2557,
237.4076, 327.5534

■ 12.8505, 10.5127,
21.4108

■ 43.7087, 38.9944,
64.5656

■ 7.4019, 5.7402,
13.2304

■ 60.0502, 54.4911,
86.5503

■ 3.7633, 2.6877,
7.4548

■ 80.0283, 73.6298,
113.0324

■ 1.5691, 0.9710,
3.6654

■ 104.0084, 96.7949,
144.4305

■ 0.3721, 0.0000,
1.4436

132.3558,
124.3709, 181.1631

■ 0.0000, 0.0000,
0.1754

165.4360,

■ 0.0000, 0.0000,

156.7421, 223.6487

0.0000

203.6141,
194.2928, 272.3060

■ 20.4742, 17.3896,
32.4144

■ 20.4742, 17.3896,
32.4144

■ 18.0778, 14.0456,
31.8955

■ 23.2132, 21.3273,
33.0304

■ 16.0062, 11.2625,
31.4675

■ 26.3081, 25.8849,
33.7469

■ 14.2424, 9.0075,
31.1252

■ 29.7734, 31.0896,
34.5689

■ 12.7670, 7.2436,
30.8625

■ 33.6225, 36.9664,
35.5004

■ 11.5580, 5.9284,
30.6724

■ 37.8676, 43.5388,
36.5453

■ 10.5898, 5.0126,
30.5466

■ 42.5209, 50.8294,
37.7072

■ 9.8936, 4.4362,
30.4721

■ 47.5938, 58.8595,
38.9898

■ 53.0970, 67.6496,
40.3964

■ 59.0413, 77.2195,
41.9303

Harmonies

Analogous

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



17.7891, 17.3896, 38.0963



20.4742, 17.3896, 32.4144



22.1987, 17.3896, 23.6872

Triad

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



20.4742, 17.3896, 32.4144



18.1138, 17.3896, 7.7260



11.8504, 17.3896, 22.6802

Complementary

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



20.4742, 17.3896, 32.4144



22.3990, 28.1628, 17.6208

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.



11.9164, 17.3896, 14.8640



20.4742, 17.3896, 32.4144



15.3285, 17.3896, 7.5970

Square

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



20.4742, 17.3896, 32.4144



20.7347, 17.3896, 10.2526



13.1250, 17.3896, 9.8306



12.9331, 17.3896, 31.5013

Rectangle

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



20.4742, 17.3896, 32.4144



22.4637, 17.3896, 18.0672



13.1250, 17.3896, 9.8306



11.7429, 17.3896, 19.8287

Sweetspot

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



20.4748, 17.3903, 32.4148



48.4178, 48.2999, 60.7429



19.0114, 20.1745, 33.0293



10.5136, 10.4001, 13.3708



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.



20.4748, 17.3903, 32.4148



33.4422, 26.6237, 57.3483



23.6778, 19.0717, 31.2034



6.2123, 6.1953, 7.7974



8.2154, 3.6863, 25.1862



0.1641, 0.0764, 0.3785

Inverse Universe

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



21.8907, 18.3568, 21.7922



36.5496, 28.7336, 34.5469



19.9350, 26.8731, 18.3803



6.3102, 6.2632, 7.0137



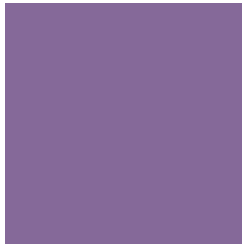
11.6323, 5.9072, 4.5888



0.1914, 0.0953, 0.1609

Previews

White Background



This preview shows how the XYZ color 20.4742, 17.3896, 32.4144 looks on a white background.

Color Contrast Check

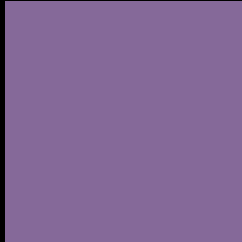
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4742, 17.3896, 32.4144 looks on a black 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

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

XYZ 20.4742, 17.3896, 32.4144

Background



This preview shows how black text looks on a background with the XYZ color 20.4742, 17.3896, 32.4144.



This preview shows how white text looks on a background with the XYZ color 20.4742, 17.3896,

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

20.4742, 17.3896, 32.4144

Protanopia

17.8420, 17.3975, 35.6754

Deuteranopia

17.7876, 17.4571, 31.7102



Tritanopia

17.9767, 17.3141, 20.1638

Trichromacy



Original Color

20.4742, 17.3896, 32.4144

Protanomaly

18.5803, 17.3139, 34.2609

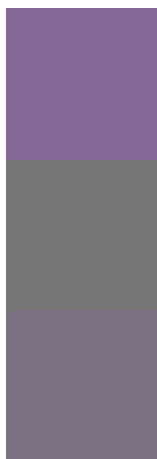
Deuteranomaly

18.6881, 17.4178, 32.0828

Tritanomaly

18.8394, 17.3490, 24.1856

Monochromacy



Original Color

20.4742, 17.3896, 32.4144

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4262, 17.9584, 23.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4742, 17.3896, 32.4144 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(133, 105, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 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(133, 105, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.4742, 17.3896, 32.4144 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(133, 105, 153) }
```


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

```
.border{ border-color:rgb(133, 105, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4742, 17.3896, 32.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 153) }
```

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

```
.background{ background-color: rgb(133,  
105, 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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