

Converting Colors

XYZ(20.7428, 20.6972, 40.0946)

Have a look what the booklet for
XYZ(20.7428, 20.6972, 40.0946)
contains.

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Color

**XYZ(20.7082, 20.7456,
39.9587)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7DA8
RGB	109, 125, 168
RGB Percent	43%, 49%, 66%
CMY	0.5725, 0.5098, 0.3412
CMYK	0.35, 0.26, 0.00, 0.34
HSL	224°, 25%, 54%
HSV	224°, 35%, 66%
XYZ	20.7082, 20.7456, 39.9587
YIQ	125.1180, -23.3390, 9.9810

Conversions

Conversions Part 2

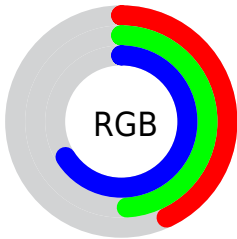
Format	Color
R_{YB}	109, 122, 168
Decimal	7175592
CIE _{Lab}	52.67, 4.87, -24.79
CIE _{LCh}	53, 25.268, 281.121
Yxy	20.7456, 0.2544, 0.2548
Android (android.graphics.Color)	4285365672 (0xFF6D7DA8)
YUV	125.1180, 21.1408, -14.1355
Hunter-Lab	45.5473, 1.4476, -20.1320

Details

The XYZ color **20.7082, 20.7456, 39.9587** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.1375, 31.8860, 19.0350**, and the grayscale version is **19.4700, 20.4839, 22.3070**.

A 20% lighter version of the original color is **43.9417, 44.4534, 76.0764**, and **7.4817, 7.3294, 17.5434** is the 20% darker color. If you saturate the color by 10%, you get **17.3801, 16.8693, 39.3863**, and if you desaturate by 10%, it is **24.6238, 25.2093, 40.6143**.

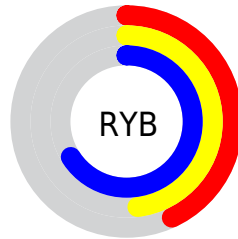
Distribution



Red (43%)

Green (49%)

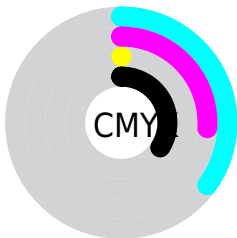
Blue (66%)



Red (43%)

Yellow (48%)

Blue (66%)

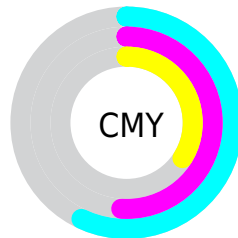


Cyan (35%)

Magenta (26%)

Yellow (0%)

Black (34%)



Cyan (57%)

Magenta (51%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7082, 20.7456, 39.9587 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 20.7082, 20.7456, 39.9587 by changing the saturation by 10% instead.

■ 20.7082, 20.7456,
39.9587

■ 20.7082, 20.7456,
39.9587

248.4848,
255.9234, 361.4964

■ 13.0221, 12.9382,
27.1928

■ 44.0963, 44.6638,
76.3370

■ 7.5209, 7.3860,
17.4844

■ 60.5291, 61.5433,
100.7865

■ 3.8391, 3.7046,
10.4148

■ 80.6081, 82.2156,
129.9676

■ 1.6115, 1.5098,
5.5657

■ 104.6988,
107.0652, 164.2989

■ 0.3999, 0.2956,
2.5184

133.1664,
136.4763, 204.1989

■ 0.0000, 0.0000,
0.8499

166.3764,

■ 0.0000, 0.0000,

170.8335, 250.0861

0.0000

204.6941,
210.5210, 302.3791

■ 20.7082, 20.7456,
39.9587

■ 20.7082, 20.7456,
39.9587

■ 17.3801, 16.8693,
39.3863

■ 24.6238, 25.2093,
40.6143

■ 14.6079, 13.5526,
38.8922

■ 29.1523, 30.2819,
41.3547

■ 12.3601, 10.7688,
38.4733

■ 34.3197, 35.9867,
42.1835

■ 10.6010, 8.4877,
38.1258

■ 40.1504, 42.3449,
43.1034

■ 9.2900, 6.6761,
37.8452

■ 46.6670, 49.3769,
44.1173

■ 8.3781, 5.2950,
37.6267

■ 53.8913, 57.1020,
45.2276

■ 8.0279, 4.7470,
37.5393

■ 61.8441, 65.5388,
46.4369

■ 70.5452, 74.7052,
47.7476

■ 78.0734, 83.6180,
49.0712

Harmonies

Analogous

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



18.1288, 20.7456, 39.2224



20.7082, 20.7456, 39.9587



23.2291, 20.7456, 35.3290

Triad

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



20.7082, 20.7456, 39.9587



23.7722, 20.7456, 14.3497



15.3154, 20.7456, 18.2244

Complementary

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



20.7082, 20.7456, 39.9587



30.1375, 31.8860, 19.0350

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.



16.5800, 20.7456, 13.3512



20.7082, 20.7456, 39.9587



21.3977, 20.7456, 11.4813

Square

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



20.7082, 20.7456, 39.9587



25.0998, 20.7456, 19.9122



18.7600, 20.7456, 11.1618



15.1665, 20.7456, 25.4943

Rectangle

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



20.7082, 20.7456, 39.9587



24.4788, 20.7456, 30.3181



18.7600, 20.7456, 11.1618



15.6185, 20.7456, 16.2987

Sweetspot

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



20.7089, 20.7464, 39.9592



56.4318, 58.8652, 75.6129



25.9189, 33.5006, 34.4997



12.0426, 12.5456, 16.4390



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.7089, 20.7464, 39.9592



32.8632, 32.1696, 71.7024



20.5326, 17.8870, 39.4166



7.2912, 7.6193, 9.5047



6.0998, 3.6599, 28.3604



0.1899, 0.1720, 0.7038

Inverse Universe

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



25.3194, 20.7435, 22.0722



42.5998, 32.6082, 33.8284



30.3227, 36.0999, 19.8386



7.6116, 7.5745, 8.2718



12.5795, 6.4405, 2.5973



0.3270, 0.1651, 0.1735

Previews

White Background



This preview shows how the XYZ color 20.7082, 20.7456, 39.9587 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 20.7082, 20.7456, 39.9587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

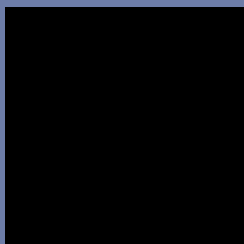
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

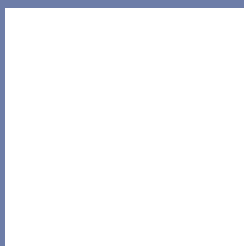
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7082, 20.7456, 39.9587

Background



This preview shows how black text looks on a background with the XYZ color 20.7082, 20.7456, 39.9587.

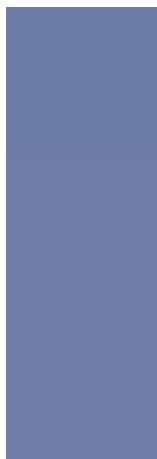


This preview shows how white text looks on a background with the XYZ color 20.7082, 20.7456,

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

20.7082, 20.7456, 39.9587

Protanopia

20.9928, 20.7160, 39.4514

Deuteranopia

21.2150, 20.8199, 39.9463



Tritanopia

18.3839, 20.7719, 28.2397

Trichromacy



Original Color

20.7082, 20.7456, 39.9587

Protanomaly

20.8648, 20.6501, 39.4454

Deuteranomaly

20.9576, 20.6872, 39.9342

Tritanomaly

19.1308, 20.6760, 32.2607

Monochromacy



Original Color

20.7082, 20.7456, 39.9587

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7491, 20.5123, 28.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7082, 20.7456, 39.9587 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(109, 125, 168)` looks like.

```
.text, #text, p{  
    color:rgb(109, 125, 168)  
}
```

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(109, 125, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 125, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.7082, 20.7456, 39.9587 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(109, 125, 168) }
```


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

```
.border{ border-color:rgb(109, 125, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 125, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 125, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 125, 168);  
box-shadow:4px 4px 4px 4px rgb(109, 125,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7082, 20.7456, 39.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 125, 168) }
```

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

```
.background{ background-color: rgb(109,  
125, 168) }
```

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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