

Converting Colors

XYZ(22.8702, 18.2905, 56.7715)

Have a look what the booklet for
XYZ(22.8702, 18.2905, 56.7715)
contains.

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Color

**XYZ(22.9155, 18.2601,
56.9604)**

Conversions

Conversions Part 1

Format	Color
Hex	756AC8
RGB	117, 106, 200
RGB Percent	46%, 42%, 78%
CMY	0.5412, 0.5843, 0.2157
CMYK	0.41, 0.47, 0.00, 0.22
HSL	247°, 46%, 60%
HSV	247°, 47%, 78%
XYZ	22.9155, 18.2601, 56.9604
YIQ	120.0050, -23.6180, 31.5660

Conversions

Conversions Part 2

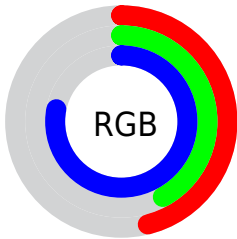
Format	Color
R _Y B	117, 106, 200
Decimal	7695048
CIE Lab	49.81, 27.53, -47.69
CIE LCh	50, 55.063, 300.000
Yxy	18.2601, 0.2335, 0.1861
Android (android.graphics.Color)	4285885128 (0xFF756AC8)
YUV	120.0050, 39.4375, -2.6354
Hunter-Lab	42.7318, 20.9422, -49.1197

Details

The XYZ color **22.9155, 18.2601, 56.9604** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.2419, 53.1681, 21.5668**, and the grayscale version is **17.7382, 18.6620, 20.3229**.

A 20% lighter version of the original color is **47.3406, 40.2182, 99.8755**, and **8.6614, 6.1964, 27.5276** is the 20% darker color. If you saturate the color by 10%, you get **18.9367, 13.4981, 56.2513**, and if you desaturate by 10%, it is **27.8240, 24.2153, 57.8515**.

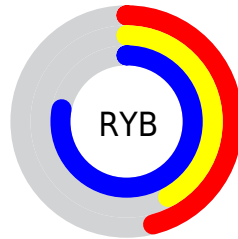
Distribution



Red (46%)

Green (42%)

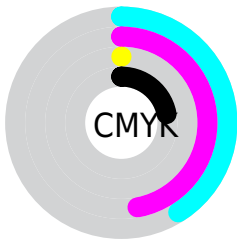
Blue (78%)



Red (46%)

Yellow (42%)

Blue (78%)

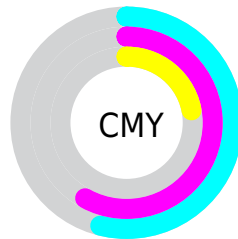


Cyan (41%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (58%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9155, 18.2601, 56.9604 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 22.9155, 18.2601, 56.9604 by changing the saturation by 10% instead.

■ 22.9155, 18.2601,
56.9604

■ 22.9155, 18.2601,
56.9604

259.8341,
242.3330, 430.7905

■ 14.6515, 11.1369,
40.5643

■ 47.7222, 40.4800,
101.9072

■ 8.6599, 6.1590,
27.6617

■ 64.9956, 56.3455,
131.2949

■ 4.5753, 2.9420,
17.8340

■ 86.0029, 75.8939,
165.8503

■ 2.0325, 1.1015,
10.6626

■ 111.1093, 99.5096,
205.9918

■ 0.6521, 0.0000,
5.7292

140.6803,
127.5770, 252.1381

■ 0.0000, 0.0000,
2.6150

175.0812,

■ 0.0000, 0.0000,

160.4804, 304.7076

0.9002

214.6774,
198.6043, 364.1189

■ 0.0000, 0.0000,
0.0000

■ 22.9155, 18.2601,
56.9604

■ 22.9155, 18.2601,
56.9604

■ 18.9367, 13.4981,
56.2513

■ 27.8240, 24.2153,
57.8515

■ 15.8261, 9.8465,
55.7104

■ 33.7138, 31.4350,
58.9346

■ 13.5185, 7.2151,
55.3241

■ 40.6355, 39.9872,
60.2206

■ 11.9382, 5.4984,
55.0761

■ 48.6353, 49.9345,
61.7190

■ 10.9890, 4.5574,
54.9445

■ 57.7567, 61.3355,
63.4388

■ 10.7882, 4.3572,
54.9164

■ 68.0410, 74.2454,
65.3886

■ 79.5271, 88.7166,
67.5765

■ 87.4254, 96.9502,
68.7494

Harmonies

Analogous

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



17.3557, 18.2601, 65.1465



22.9155, 18.2601, 56.9604



27.6624, 18.2601, 38.1504

Triad

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



22.9155, 18.2601, 56.9604



22.9154, 18.2601, 3.8739



9.0837, 18.2601, 19.8822

Complementary

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



22.9155, 18.2601, 56.9604



44.2419, 53.1681, 21.5668

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.



9.9918, 18.2601, 8.6371



22.9155, 18.2601, 56.9604



17.3556, 18.2601, 2.7112

Square

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



22.9155, 18.2601, 56.9604



27.6624, 18.2601, 8.6370



12.7768, 18.2601, 3.8739



9.9918, 18.2601, 38.1507

Rectangle

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



22.9155, 18.2601, 56.9604



29.3330, 18.2601, 25.3438



12.7768, 18.2601, 3.8739



9.1838, 18.2601, 15.2676

Sweetspot

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



22.9162, 18.2607, 56.9608



74.0389, 73.8038, 104.9510



34.5744, 43.6443, 61.2459



15.2279, 15.0283, 22.3481



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.9162, 18.2607, 56.9608



32.9065, 23.5129, 97.4118



30.8828, 22.3676, 57.3337



10.1701, 10.3459, 13.3784



6.8993, 2.7910, 34.9194



0.3662, 0.1525, 1.6553

Inverse Universe

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



38.1589, 26.2619, 51.2011



62.5309, 39.0824, 85.3572



34.4173, 48.1033, 21.1070



11.0276, 10.7944, 13.1285



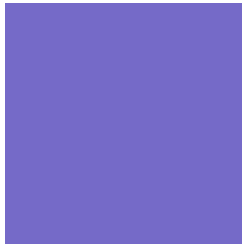
20.1868, 9.8243, 27.2572



0.9714, 0.4714, 1.3724

Previews

White Background



This preview shows how the XYZ color 22.9155, 18.2601, 56.9604 looks on a white background.

Color Contrast Check

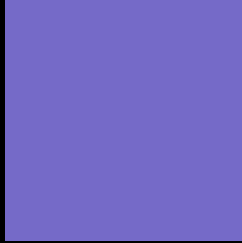
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9155, 18.2601, 56.9604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

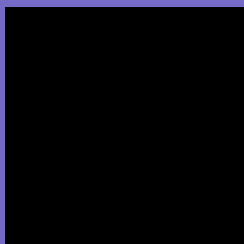
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9155, 18.2601, 56.9604

Background



This preview shows how black text looks on a background with the XYZ color 22.9155, 18.2601, 56.9604.



This preview shows how white text looks on a background with the XYZ color 22.9155, 18.2601,

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

22.9155, 18.2601, 56.9604

Protanopia

20.5410, 18.3608, 62.7830

Deuteranopia

18.9216, 18.3831, 55.3743



Tritanopia

16.3799, 18.2943, 24.4976

Trichromacy



Original Color

22.9155, 18.2601, 56.9604

Protanomaly

21.1512, 18.2182, 60.7942

Deuteranomaly

19.9567, 18.0431, 55.8569

Tritanomaly

18.2751, 17.9893, 34.4074

Monochromacy



Original Color

22.9155, 18.2601, 56.9604

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1633, 18.3533, 30.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9155, 18.2601, 56.9604 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(117, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 200)  
}
```

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(117, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 200) }
```

Border

The CSS property to change the border of an element to XYZ 22.9155, 18.2601, 56.9604 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(117, 106, 200) }
```


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

```
.border{ border-color:rgb(117, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(117, 106,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9155, 18.2601, 56.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 200) }
```

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

```
.background{ background-color: rgb(117,  
106, 200) }
```

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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