

Converting Colors

XYZ(20.9255, 16.1137, 56.8048)

Have a look what the booklet for
XYZ(20.9255, 16.1137, 56.8048)
contains.

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Color

**XYZ(20.8564, 16.0313,
56.6387)**

Conversions

Conversions Part 1

Format	Color
Hex	6B62C8
RGB	107, 98, 200
RGB Percent	42%, 38%, 78%
CMY	0.5804, 0.6157, 0.2157
CMYK	0.46, 0.51, 0.00, 0.22
HSL	245°, 48%, 58%
HSV	245°, 51%, 78%
XYZ	20.8564, 16.0313, 56.6387
YIQ	112.3190, -27.3780, 33.6300

Conversions

Conversions Part 2

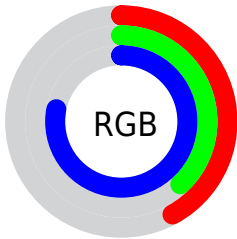
Format	Color
R _Y B	107, 98, 200
Decimal	7037640
CIE Lab	47.02, 29.96, -52.20
CIE LCh	47, 60.188, 299.855
Yxy	16.0313, 0.2230, 0.1714
Android (android.graphics.Color)	4285227720 (0xFF6B62C8)
YUV	112.3190, 43.2267, -4.6648
Hunter-Lab	40.0391, 22.9123, -55.8433

Details

The XYZ color **20.8564, 16.0313, 56.6387** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.3445, 53.2668, 19.4999**, and the grayscale version is **15.3781, 16.1789, 17.6188**.

A 20% lighter version of the original color is **43.9017, 36.5014, 99.3393**, and **7.5613, 5.0650, 27.3672** is the 20% darker color. If you saturate the color by 10%, you get **17.2476, 11.7316, 55.9993**, and if you desaturate by 10%, it is **25.3964, 21.5053, 57.4564**.

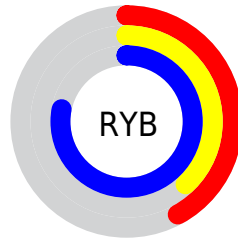
Distribution



Red (42%)

Green (38%)

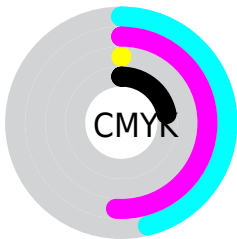
Blue (78%)



Red (42%)

Yellow (38%)

Blue (78%)

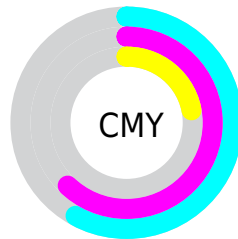


Cyan (46%)

Magenta (51%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (62%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8564, 16.0313, 56.6387 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 20.8564, 16.0313, 56.6387 by changing the saturation by 10% instead.

■ 20.8564, 16.0313,
56.6387

■ 20.8564, 16.0313,
56.6387

249.2605,
229.5263, 429.5498

■ 13.1309, 9.5463,
40.3078

■ 44.3415, 36.6525,
101.4329

■ 7.5964, 5.0992,
27.4630

■ 60.8318, 51.5576,
130.7333

■ 3.8874, 2.3056,
17.6858

■ 80.9745, 70.0381,
165.1939

■ 1.6386, 0.7767,
10.5575

■ 105.1349, 92.4784,
205.2334

■ 0.4174, 0.0000,
5.6597

133.6784,
119.2630, 251.2702

■ 0.0000, 0.0000,
2.5739

166.9702,

■ 0.0000, 0.0000,

150.7763, 303.7228

0.8789

205.3758,
187.4026, 363.0098

■ 0.0000, 0.0000,
0.0000

■ 20.8564, 16.0313,
56.6387

■ 20.8564, 16.0313,
56.6387

■ 17.2476, 11.7316,
55.9993

■ 25.3964, 21.5053,
57.4564

■ 14.5030, 8.5185,
55.5238

■ 30.9240, 28.2296,
58.4629

■ 12.5502, 6.2945,
55.1974

■ 37.4937, 36.2753,
59.6696

■ 11.3035, 4.9440,
55.0025

■ 45.1553, 45.7081,
61.0865

■ 10.6684, 4.2954,
54.9108

■ 53.9556, 56.5891,
62.7230

■ 63.9383, 68.9758,
64.5877

■ 75.1452, 82.9226,
66.6890

■ 86.6507, 96.5508,
68.7131

■ 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.



15.2117, 16.0313, 65.5026



20.8564, 16.0313, 56.6387



25.7823, 16.0313, 36.4522

Triad

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



20.8564, 16.0313, 56.6387



20.9111, 16.0313, 2.4678



7.1868, 16.0313, 17.3822

Complementary

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



20.8564, 16.0313, 56.6387



44.3445, 53.2668, 19.4999

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.



8.0492, 16.0313, 6.5642



20.8564, 16.0313, 56.6387



15.2629, 16.0313, 1.5489

Square

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



20.8564, 16.0313, 56.6387



25.8187, 16.0313, 6.6306



10.7306, 16.0313, 2.4479



8.0325, 16.0313, 36.2451

Rectangle

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



20.8564, 16.0313, 56.6387



27.5412, 16.0313, 23.0797



10.7306, 16.0313, 2.4479



7.2831, 16.0313, 12.8281

Sweetspot

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



20.8571, 16.0318, 56.6391



72.3518, 71.9522, 104.6826



34.2027, 44.2473, 61.3818



14.8818, 14.6567, 22.2946



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.



20.8571, 16.0318, 56.6391



29.3877, 19.7518, 96.8713



28.7958, 20.1244, 57.0106



10.1420, 10.3315, 13.3771



6.8162, 2.7481, 34.9155



0.3533, 0.1459, 1.6547

Inverse Universe

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



37.5911, 24.7766, 52.0902



61.6623, 36.6363, 87.2531



33.7589, 47.8098, 19.0046



11.0412, 10.7999, 13.2001



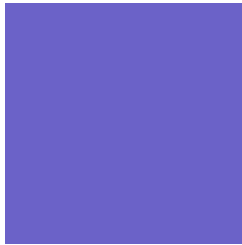
20.5538, 9.9711, 29.1897



0.9854, 0.4770, 1.4461

Previews

White Background



This preview shows how the XYZ color 20.8564, 16.0313, 56.6387 looks on a white background.

Color Contrast Check

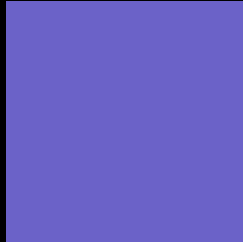
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8564, 16.0313, 56.6387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

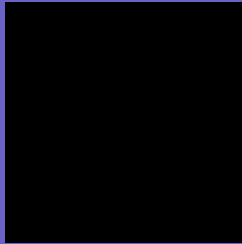
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8564, 16.0313, 56.6387

Background



This preview shows how black text looks on a background with the XYZ color 20.8564, 16.0313, 56.6387.



This preview shows how white text looks on a background with the XYZ color 20.8564, 16.0313,

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

20.8564, 16.0313, 56.6387

Protanopia

18.6263, 16.2190, 63.1216

Deuteranopia

16.6763, 16.1988, 55.0711



Tritanopia

13.7848, 15.9499, 21.7541

Trichromacy



Original Color

20.8564, 16.0313, 56.6387

Protanomaly

18.9925, 15.8527, 60.4514

Deuteranomaly

17.4801, 15.7944, 55.5534

Tritanomaly

15.7522, 15.5840, 31.8835

Monochromacy



Original Color

20.8564, 16.0313, 56.6387

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.7221, 15.8440, 28.5624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8564, 16.0313, 56.6387 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(107, 98, 200)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 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(107, 98, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 200) }
```

Border

The CSS property to change the border of an element to XYZ 20.8564, 16.0313, 56.6387 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(107, 98, 200) }
```


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

```
.border{ border-color:rgb(107, 98, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 98, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 200);  
box-shadow:4px 4px 4px 4px rgb(107, 98,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8564, 16.0313, 56.6387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 200) }
```

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

```
.background{ background-color: rgb(107, 98,  
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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