

Converting Colors

XYZ(20.1963, 14.8886, 56.4529)

Have a look what the booklet for
XYZ(20.1963, 14.8886, 56.4529)
contains.

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Color

**XYZ(20.1963, 14.8886,
56.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5CC8
RGB	106, 92, 200
RGB Percent	42%, 36%, 78%
CMY	0.5843, 0.6392, 0.2157
CMYK	0.47, 0.54, 0.00, 0.22
HSL	248°, 50%, 57%
HSV	248°, 54%, 78%
XYZ	20.1963, 14.8886, 56.4529
YIQ	108.4980, -26.3240, 36.5560

Conversions

Conversions Part 2

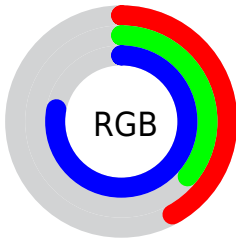
Format	Color
R_{YB}	106, 92, 200
Decimal	6970568
CIE _{Lab}	45.48, 33.36, -54.67
CIE _{LCh}	45, 64.044, 301.392
Yxy	14.8886, 0.2206, 0.1626
Android (android.graphics.Color)	4285160648 (0xFF6A5CC8)
YUV	108.4980, 45.1105, -2.1907
Hunter-Lab	38.5857, 25.9042, -59.7342

Details

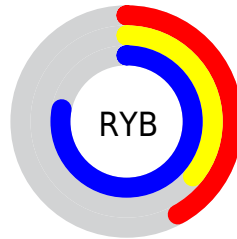
The XYZ color **20.1963, 14.8886, 56.4529** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **42.8354, 52.5204, 18.0053**, and the grayscale version is **14.2767, 15.0202, 16.3570**.

A 20% lighter version of the original color is **42.9767, 34.6515, 99.0310**, and **7.2215, 4.5254, 27.2809** is the 20% darker color. If you saturate the color by 10%, you get **16.8241, 10.9090, 55.8628**, and if you desaturate by 10%, it is **24.4470, 20.0001, 57.2158**.

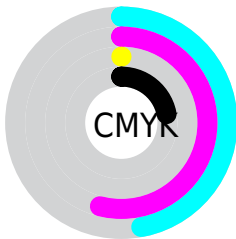
Distribution



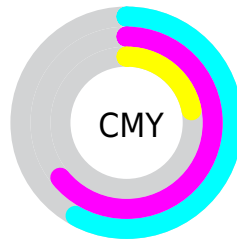
- Red (42%)
- Green (36%)
- Blue (78%)



- Red (42%)
- Yellow (36%)
- Blue (78%)



- Cyan (47%)
- Magenta (54%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1963, 14.8886, 56.4529 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 20.1963, 14.8886, 56.4529 by changing the saturation by 10% instead.

■ 20.1963, 14.8886,
56.4529

■ 20.1963, 14.8886,
56.4529

245.7892,
222.6910, 428.8322

■ 12.6469, 8.7412,
40.1597

■ 43.2475, 34.6576,
101.1588

■ 7.2612, 4.5728,
27.3484

■ 59.4800, 49.0481,
130.4087

■ 3.6737, 1.9989,
17.6003

■ 79.3376, 66.9550,
164.8145

■ 1.5193, 0.6068,
10.4969

■ 103.1856, 88.7629,
204.7949

■ 0.3389, 0.0000,
5.6198

131.3894,
114.8560, 250.7683

■ 0.0000, 0.0000,
2.5503

164.3144,

■ 0.0000, 0.0000,

145.6188, 303.1533

0.8666

202.3259,
181.4356, 362.3684

■ 0.0000, 0.0000,
0.0000

■ 20.1963, 14.8886,
56.4529

■ 20.1963, 14.8886,
56.4529

■ 16.8241, 10.9090,
55.8628

■ 24.4470, 20.0001,
57.2158

■ 14.2659, 7.9730,
55.4309

■ 29.6304, 26.3198,
58.1624

■ 12.4516, 5.9815,
55.1422

■ 35.7987, 33.9190,
59.3041

■ 11.2976, 4.8150,
54.9778

■ 42.9995, 42.8630,
60.6510

■ 10.8496, 4.3889,
54.9192

■ 51.2776, 53.2127,
62.2123

■ 60.6747, 65.0251,
63.9971

■ 71.2306, 78.3542,
66.0135

■ 82.9832, 93.2513,
68.2695

■ 87.4254, 96.9502,
68.7493

Harmonies

Analogous

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



14.4018, 14.8886, 66.8996



20.1963, 14.8886, 56.4529



25.2045, 14.8886, 34.7428

Triad

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



20.1963, 14.8886, 56.4529



19.6541, 14.8886, 1.6787



6.1729, 14.8886, 16.9354

Complementary

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



20.1963, 14.8886, 56.4529



42.8354, 52.5204, 18.0053

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.



6.9199, 14.8886, 5.8196



20.1963, 14.8886, 56.4529



13.9034, 14.8886, 1.0067

Square

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



20.1963, 14.8886, 56.4529



24.8401, 14.8886, 5.2173



9.4515, 14.8886, 1.8410



7.0757, 14.8886, 36.8384

Rectangle

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



20.1963, 14.8886, 56.4529



26.9123, 14.8886, 21.0188



9.4515, 14.8886, 1.8410



6.2379, 14.8886, 12.1989

Sweetspot

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



20.1970, 14.8891, 56.4533



71.5082, 70.5506, 104.4565



32.6946, 42.1564, 61.0577



14.7345, 14.3904, 22.2510



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.



20.1970, 14.8891, 56.4533



28.1661, 17.7691, 96.5530



28.4717, 19.1549, 56.8405



10.1824, 10.3523, 13.3790



6.9414, 2.8127, 34.9214



0.3718, 0.1554, 1.6555

Inverse Universe

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



36.5095, 23.4790, 49.0609



59.6142, 34.3588, 80.9631



32.3225, 47.1008, 17.5133



11.0216, 10.7920, 13.0972



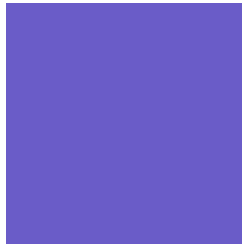
20.0308, 9.7619, 26.4356



0.9654, 0.4690, 1.3409

Previews

White Background



This preview shows how the XYZ color 20.1963, 14.8886, 56.4529 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 20.1963, 14.8886, 56.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

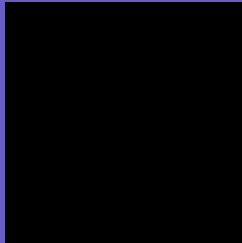
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1963, 14.8886, 56.4529

Background



This preview shows how black text looks on a background with the XYZ color 20.1963, 14.8886, 56.4529.



This preview shows how white text looks on a background with the XYZ color 20.1963, 14.8886,

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

20.1963, 14.8886, 56.4529

Protanopia

17.7599, 15.1168, 64.9326

Deuteranopia

15.2062, 14.8323, 53.1004



Tritanopia

12.9015, 14.8536, 20.2762

Trichromacy



Original Color

20.1963, 14.8886, 56.4529

Protanomaly

17.9922, 14.7252, 61.5685

Deuteranomaly

15.6508, 14.1174, 54.1246

Tritanomaly

14.9702, 14.5805, 30.8795

Monochromacy



Original Color

20.1963, 14.8886, 56.4529

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9171, 14.8416, 27.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1963, 14.8886, 56.4529 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(106, 92, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 92, 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(106, 92, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 92, 200) }
```

Border

The CSS property to change the border of an element to XYZ 20.1963, 14.8886, 56.4529 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(106, 92, 200) }
```


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

```
.border{ border-color:rgb(106, 92, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 92, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 92, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 92, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 92,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1963, 14.8886, 56.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 92, 200) }
```

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

```
.background{ background-color: rgb(106, 92,  
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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