

Converting Colors

XYZ(20.5601, 16.1177, 50.9994)

Have a look what the booklet for
XYZ(20.5601, 16.1177, 50.9994)
contains.

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Color

**XYZ(20.5662, 16.1521,
50.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	7163BE
RGB	113, 99, 190
RGB Percent	44%, 39%, 75%
CMY	0.5568, 0.6118, 0.2549
CMYK	0.41, 0.48, 0.00, 0.25
HSL	249°, 41%, 57%
HSV	249°, 48%, 75%
XYZ	20.5662, 16.1521, 50.7489
YIQ	113.5600, -20.8670, 31.2690

Conversions

Conversions Part 2

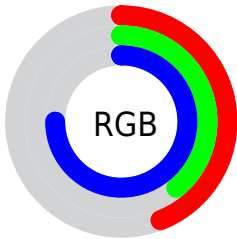
Format	Color
R_{YB}	113, 99, 190
Decimal	7431102
CIE _{Lab}	47.17, 27.88, -46.15
CIE _{LCh}	47, 53.913, 301.135
Yxy	16.1521, 0.2351, 0.1847
Android (android.graphics.Color)	4285621182 (0xFF7163BE)
YUV	113.5600, 37.6849, -0.4911
Hunter-Lab	40.1897, 21.0116, -46.7348

Details

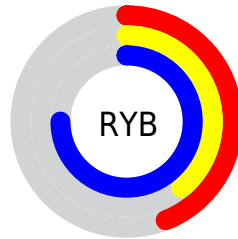
The XYZ color **20.5662, 16.1521, 50.7489** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **38.5699, 46.9579, 18.8357**, and the grayscale version is **15.7588, 16.5795, 18.0551**.

A 20% lighter version of the original color is **43.8433, 36.8529, 92.7982**, and **7.4756, 5.1634, 23.8952** is the 20% darker color. If you saturate the color by 10%, you get **17.0851, 11.9927, 50.1298**, and if you desaturate by 10%, it is **24.8384, 21.3484, 51.5270**.

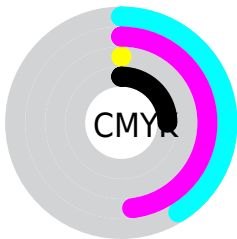
Distribution



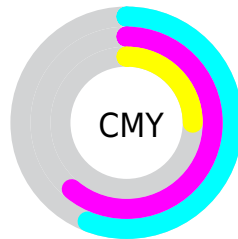
- Red (44%)
- Green (39%)
- Blue (75%)



- Red (44%)
- Yellow (39%)
- Blue (75%)



- Cyan (41%)
- Magenta (48%)
- Yellow (0%)
- Black (25%)



- Cyan (56%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5662, 16.1521, 50.7489 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 20.5662, 16.1521, 50.7489 by changing the saturation by 10% instead.

■ 20.5662, 16.1521,
50.7489

■ 20.5662, 16.1521,
50.7489

247.7396,
230.2376, 406.4061

■ 12.9179, 9.6318,
35.6335

■ 43.8612, 36.8621,
92.6912

■ 7.4487, 5.1556,
23.8638

■ 60.2386, 51.8205,
120.3551

■ 3.7931, 2.3388,
15.0214

■ 80.2565, 70.3606,
153.0390

■ 1.5857, 0.7941,
8.6876

■ 104.2801, 92.8665,
191.1613

■ 0.3831, 0.0000,
4.4440

132.6749,
119.7228, 235.1407

■ 0.0000, 0.0000,
1.8719

165.8061,

■ 0.0000, 0.0000,

151.3138, 285.3955

0.4748

204.0393,
188.0239, 342.3445

■ 0.0000, 0.0000,
0.0000

■ 20.5662, 16.1521,
50.7489

■ 20.5662, 16.1521,
50.7489

■ 17.0851, 11.9927,
50.1298

■ 24.8384, 21.3484,
51.5270

■ 14.3437, 8.7981,
49.6577

■ 29.9449, 27.6435,
52.4730

■ 12.2874, 6.4899,
49.3206

■ 35.9281, 35.0966,
53.5962

■ 10.8529, 4.9761,
49.1040

■ 42.8267, 43.7619,
54.9052

■ 9.9529, 4.1217,
48.9865

■ 50.6774, 53.6904,
56.4078

■ 9.8077, 3.9824,
48.9673

■ 59.5146, 64.9301,
58.1115

■ 69.3712, 77.5264,
60.0233

■ 80.2782, 91.5226,
62.1500

■ 86.2943, 96.4977,
62.7932

Harmonies

Analogous

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



15.5334, 16.1521, 58.7506



20.5662, 16.1521, 50.7489



24.8027, 16.1521, 33.4465

Triad

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



20.5662, 16.1521, 50.7489



20.1883, 16.1521, 3.1976



7.9207, 16.1521, 18.1093

Complementary

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



20.5662, 16.1521, 50.7489



38.5699, 46.9579, 18.8357

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.



8.6709, 16.1521, 7.7522



20.5662, 16.1521, 50.7489



15.1722, 16.1521, 2.2665

Square

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



20.5662, 16.1521, 50.7489



24.5548, 16.1521, 7.2447



11.1033, 16.1521, 3.3665



8.7949, 16.1521, 34.8410

Rectangle

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



20.5662, 16.1521, 50.7489



26.2395, 16.1521, 21.9262



11.1033, 16.1521, 3.3665



7.9898, 16.1521, 13.8615

Sweetspot

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



20.5669, 16.1527, 50.7493



69.4949, 69.0983, 97.9537



30.0343, 37.5588, 54.3821



14.6801, 14.4458, 21.3999



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.5669, 16.1527, 50.7493



30.9442, 21.7130, 90.8392



27.8866, 19.9261, 51.0919



9.1496, 9.2940, 11.9839



6.5647, 2.6703, 32.5623



0.3010, 0.1272, 1.2775

Inverse Universe

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



33.5336, 23.0057, 43.7465



57.3528, 35.6925, 75.5704



30.0028, 42.5415, 18.4348



9.8652, 9.6704, 11.6789



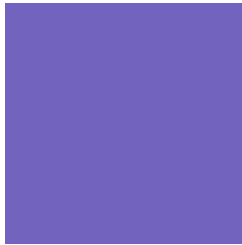
18.4075, 8.9941, 23.2371



0.7383, 0.3592, 1.0014

Previews

White Background



This preview shows how the XYZ color 20.5662, 16.1521, 50.7489 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 20.5662, 16.1521, 50.7489 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 20.5662, 16.1521, 50.7489

Background



This preview shows how black text looks on a background with the XYZ color 20.5662, 16.1521, 50.7489.



This preview shows how white text looks on a background with the XYZ color 20.5662, 16.1521,

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

20.5662, 16.1521, 50.7489

Protanopia

18.3482, 16.3726, 56.8368

Deuteranopia

16.7992, 16.3902, 49.2919



Tritanopia

14.6986, 16.2581, 21.4322

Trichromacy



Original Color

20.5662, 16.1521, 50.7489

Protanomaly

18.7617, 16.0200, 54.3279

Deuteranomaly

17.7479, 16.0614, 49.7417

Tritanomaly

16.4075, 15.9590, 30.2326

Monochromacy



Original Color

20.5662, 16.1521, 50.7489

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2906, 16.4677, 27.8585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5662, 16.1521, 50.7489 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(113, 99, 190)` looks like.

```
.text, #text, p{  
    color:rgb(113, 99, 190)  
}
```

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(113, 99, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 99, 190) }
```

Border

The CSS property to change the border of an element to XYZ 20.5662, 16.1521, 50.7489 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(113, 99, 190) }
```


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

```
.border{ border-color:rgb(113, 99, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 99, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 99, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 99, 190);  
box-shadow:4px 4px 4px 4px rgb(113, 99,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5662, 16.1521, 50.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 99, 190) }
```

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

```
.background{ background-color: rgb(113, 99,  
190) }
```

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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