

Converting Colors

XYZ(20.1390, 10.0759, 65.3365)

Have a look what the booklet for
XYZ(20.1390, 10.0759, 65.3365)
contains.

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Color

**XYZ(20.0948, 10.0687,
65.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	7328D7
RGB	115, 40, 215
RGB Percent	45%, 16%, 84%
CMY	0.5490, 0.8431, 0.1569
CMYK	0.47, 0.81, 0.00, 0.16
HSL	266°, 69%, 50%
HSV	266°, 81%, 84%
XYZ	20.0948, 10.0687, 65.1743
YIQ	82.3750, -11.4750, 70.3250

Conversions

Conversions Part 2

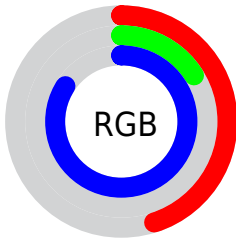
Format	Color
R _{YB}	115, 40, 215
Decimal	7547095
CIE _{Lab}	37.97, 65.25, -75.51
CIE _{LCh}	38, 99.798, 310.834
Yxy	10.0687, 0.2108, 0.1056
Android (android.graphics.Color)	4285737175 (0xFF7328D7)
YUV	82.3750, 65.3841, 28.6121
Hunter-Lab	31.7312, 57.5112, -99.5668

Details

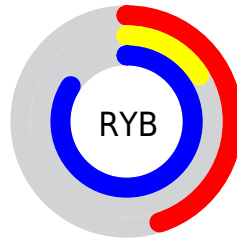
The XYZ color **20.0948, 10.0687, 65.1743** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **35.4977, 54.3292, 10.6230**, and the grayscale version is **7.9701, 8.3851, 9.1314**.

A 20% lighter version of the original color is **39.9121, 24.6997, 97.2717**, and **7.5734, 3.1813, 33.0158** is the 20% darker color. If you saturate the color by 10%, you get **18.0517, 8.2223, 64.9258**, and if you desaturate by 10%, it is **22.7569, 12.8316, 65.5675**.

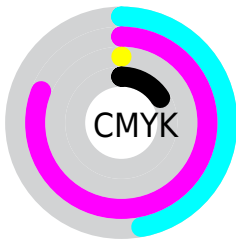
Distribution



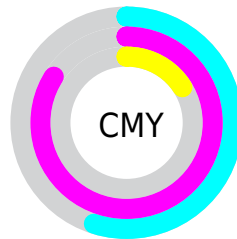
- Red (45%)
- Green (16%)
- Blue (84%)



- Red (45%)
- Yellow (16%)
- Blue (84%)



- Cyan (47%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)



- Cyan (55%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0948, 10.0687, 65.1743 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 20.0948, 10.0687, 65.1743 by changing the saturation by 10% instead.

■ 20.0948, 10.0687,
65.1743

■ 20.0948, 10.0687,
65.1743

245.2517,
191.1617, 461.7414

■ 12.5726, 5.4445,
47.1502

■ 43.0788, 25.9246,
113.9161

■ 7.2099, 2.5104,
32.7992

■ 59.2713, 37.9252,
145.4708

■ 3.6412, 0.8818,
21.7028

■ 79.0847, 53.1533,
182.3729

■ 1.5012, 0.0000,
13.4425

■ 102.8843, 71.9935,
225.0408

■ 0.3267, 0.0000,
7.5996

■ 131.0354, 94.8300,
273.8930

■ 0.0000, 0.0000,
3.7558

■ 163.9035,

■ 0.0000, 0.0000,

122.0473, 329.3482

1.4923

201.8537,
154.0297, 391.8248

■ 0.0000, 0.0000,
0.2122

■ 0.0000, 0.0000,
0.0000

■ 20.0948, 10.0687,
65.1743

■ 20.0948, 10.0687,
65.1743

■ 18.0517, 8.2223,
64.9258

■ 22.7569, 12.8316,
65.5675

■ 16.6944, 7.1894,
64.7980

■ 26.1027, 16.6312,
66.1246

■ 30.1891, 21.5695,
66.8624

■ 35.0663, 27.7356,
67.7955

40.7791, 35.2095,
68.9370

47.3692, 44.0642,
70.2988

54.8749, 54.3671,
71.8919

63.3323, 66.1814,
73.7265

72.7755, 79.5663,
75.8124

Harmonies

Analogous

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



12.0769, 10.0687, 94.9302



20.0948, 10.0687, 65.1743



26.5570, 10.0687, 27.1023

Triad

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



20.0948, 10.0687, 65.1743



14.2104, 10.0687, 0.0000



1.8538, 10.0687, 19.0202

Complementary

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



20.0948, 10.0687, 65.1743



35.4977, 54.3292, 10.6230

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.



2.0133, 10.0687, 2.9810



20.0948, 10.0687, 65.1743



7.4365, 10.0687, 0.0000

Square

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



20.0948, 10.0687, 65.1743



22.2424, 10.0687, 0.0142



3.5641, 10.0687, 0.0000



2.9483, 10.0687, 53.9884

Rectangle

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



20.0948, 10.0687, 65.1743



27.9256, 10.0687, 10.4579



3.5641, 10.0687, 0.0000



1.7817, 10.0687, 11.4844

Sweetspot

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



20.0954, 10.0690, 65.1746



66.8218, 60.9350, 102.8475



22.8261, 24.7281, 67.8601



13.5523, 12.0336, 21.8584



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.



20.0954, 10.0690, 65.1746



24.8140, 10.7891, 95.3824



36.9554, 18.7606, 65.9636



12.2423, 12.2663, 15.6599



10.1013, 4.3599, 38.7623



0.7029, 0.3113, 2.3423

Inverse Universe

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



33.5163, 17.8579, 26.4889



46.6321, 23.5054, 30.0513



26.2362, 49.5547, 10.1896



12.7176, 12.5385, 14.4532



18.9488, 9.5158, 12.3002



1.1840, 0.5904, 0.9583

Previews

White Background



This preview shows how the XYZ color 20.0948, 10.0687, 65.1743 looks on a white background.

Color Contrast Check

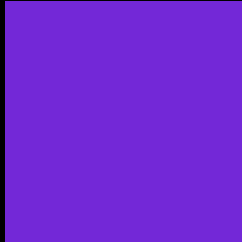
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0948, 10.0687, 65.1743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

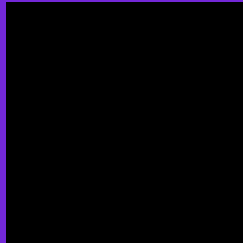
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0948, 10.0687, 65.1743

Background



This preview shows how black text looks on a background with the XYZ color 20.0948, 10.0687, 65.1743.



This preview shows how white text looks on a background with the XYZ color 20.0948, 10.0687,

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

20.0948, 10.0687, 65.1743

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.8279, 10.0546, 32.8752



Tritanopia

9.5601, 10.1067, 12.7562

Trichromacy



Original Color

20.0948, 10.0687, 65.1743



Protanomaly

12.8826, 8.7676, 52.0523



Deuteranomaly

11.2732, 8.4317, 42.6283



Tritanomaly

11.8749, 9.0150, 25.9251

Monochromacy



Original Color

20.0948, 10.0687, 65.1743



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

10.6525, 8.0057, 22.1029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0948, 10.0687, 65.1743 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(115, 40, 215)` looks like.

```
.text, #text, p{  
    color:rgb(115, 40, 215)  
}
```

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(115, 40, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 40, 215) }
```

Border

The CSS property to change the border of an element to XYZ 20.0948, 10.0687, 65.1743 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(115, 40, 215) }
```


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

```
.border{ border-color:rgb(115, 40, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 40, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 40, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 40, 215);  
box-shadow:4px 4px 4px 4px rgb(115, 40,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0948, 10.0687, 65.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 40, 215) }
```

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

```
.background{ background-color: rgb(115, 40,  
215) }
```

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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