

Converting Colors

XYZ(20.0672, 17.7891, 72.1886)

Have a look what the booklet for
XYZ(20.0672, 17.7891, 72.1886)
contains.

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Color

**XYZ(20.0297, 17.7197,
72.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	2372DF
RGB	35, 114, 223
RGB Percent	14%, 45%, 87%
CMY	0.8627, 0.5529, 0.1255
CMYK	0.84, 0.49, 0.00, 0.13
HSL	215°, 75%, 51%
HSV	215°, 84%, 87%
XYZ	20.0297, 17.7197, 72.1766
YIQ	102.8050, -82.0730, 17.1510

Conversions

Conversions Part 2

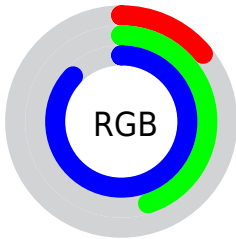
Format	Color
R _Y B	35, 91, 223
Decimal	2323167
CIE Lab	49.15, 16.70, -62.05
CIE LCh	49, 64.259, 285.067
Yxy	17.7197, 0.1822, 0.1612
Android (android.graphics.Color)	4280513247 (0xFF2372DF)
YUV	102.8050, 59.2561, -59.4650
Hunter-Lab	42.0948, 11.2687, -72.1936

Details

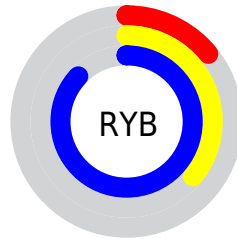
The XYZ color **20.0297, 17.7197, 72.1766** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.7113, 35.7617, 6.3485**, and the grayscale version is **12.7066, 13.3684, 14.5581**.

A 20% lighter version of the original color is **38.3152, 37.6410, 99.8537**, and **8.9822, 6.8043, 37.3992** is the 20% darker color. If you saturate the color by 10%, you get **18.1417, 14.7322, 71.6999**, and if you desaturate by 10%, it is **22.6054, 21.3680, 72.7455**.

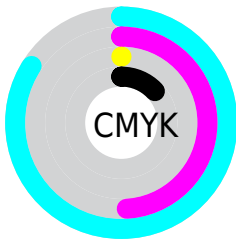
Distribution



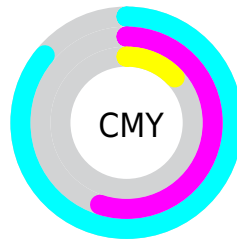
- Red (14%)
- Green (45%)
- Blue (87%)



- Red (14%)
- Yellow (36%)
- Blue (87%)



- Cyan (84%)
- Magenta (49%)
- Yellow (0%)
- Black (13%)



- Cyan (86%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0297, 17.7197, 72.1766 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 20.0297, 17.7197, 72.1766 by changing the saturation by 10% instead.

■ 20.0297, 17.7197,
72.1766

■ 20.0297, 17.7197,
72.1766

244.9064,
239.2864, 487.1501

■ 12.5250, 10.7489,
52.8152

■ 42.9705, 39.5591,
124.0176

■ 7.1770, 5.8983,
37.2686

■ 59.1374, 55.1966,
157.3344

■ 3.6204, 2.7833,
25.1181

■ 78.9224, 74.4917,
196.1400

■ 1.4897, 1.0197,
15.9452

■ 102.6908, 97.8289,
240.8530

■ 0.3188, 0.0000,
9.3315

■ 130.8081,
125.5926, 291.8920

■ 0.0000, 0.0000,
4.8583

163.6395,

■ 0.0000, 0.0000,

158.1671, 349.6755

2.1071

201.5505,
195.9369, 414.6220

■ 0.0000, 0.0000,
0.6200

■ 0.0000, 0.0000,
0.0000

■ 20.0297, 17.7197,
72.1766

■ 20.0297, 17.7197,
72.1766

■ 18.1417, 14.7322,
71.6999

■ 22.6054, 21.3680,
72.7455

■ 17.2950, 13.2791,
71.4640

■ 25.9534, 25.7325,
73.4114

■ 30.1469, 30.8623,
74.1806

■ 35.2491, 36.8009,
75.0579

■ 41.3166, 43.5878,
76.0481

■ 48.4011, 51.2595,
77.1555

■ 56.5505, 59.8502,
78.3842

■ 65.8094, 69.3920,
79.7379

■ 76.2197, 79.9154,
81.2205

Harmonies

Analogous

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



14.0352, 17.7197, 72.2253



20.0297, 17.7197, 72.1766



26.4239, 17.7197, 53.3982

Triad

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



20.0297, 17.7197, 72.1766



26.3979, 17.7197, 4.0649



7.9591, 17.7197, 11.9578

Complementary

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



20.0297, 17.7197, 72.1766



40.7113, 35.7617, 6.3485

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.



9.9118, 17.7197, 4.0845



20.0297, 17.7197, 72.1766



20.0002, 17.7197, 1.7265

Square

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



20.0297, 17.7197, 72.1766



30.6537, 17.7197, 11.9031



14.0119, 17.7197, 1.7306



7.9634, 17.7197, 29.2442

Rectangle

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



20.0297, 17.7197, 72.1766



29.6512, 17.7197, 36.8874



14.0119, 17.7197, 1.7306



8.3833, 17.7197, 8.4315

Sweetspot

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



20.0305, 17.7202, 72.1771



64.6793, 68.4898, 104.4186



31.9297, 55.0726, 34.3584



13.0916, 13.8503, 22.2333



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.



20.0305, 17.7202, 72.1771



23.3223, 17.7647, 96.8074



15.1188, 7.1484, 70.3954



13.4229, 14.1850, 17.4182



10.2754, 8.0204, 42.0549



0.7993, 0.7301, 2.9440

Inverse Universe

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



34.0705, 18.1062, 17.6189



43.9012, 22.3245, 15.9438



53.4034, 66.6676, 11.6450



13.9449, 13.7956, 15.4803



19.1268, 9.7177, 7.3332



1.3697, 0.6912, 0.7398

Previews

White Background



This preview shows how the XYZ color 20.0297, 17.7197, 72.1766 looks on a white background.

Color Contrast Check

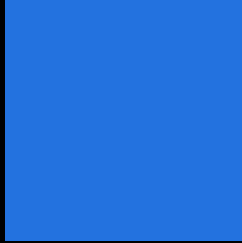
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0297, 17.7197, 72.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

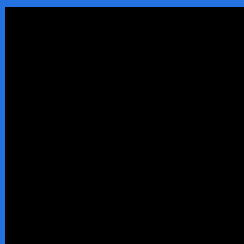
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

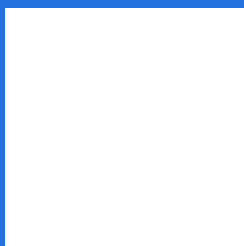
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0297, 17.7197, 72.1766

Background



This preview shows how black text looks on a background with the XYZ color 20.0297, 17.7197, 72.1766.



This preview shows how white text looks on a background with the XYZ color 20.0297, 17.7197,

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

20.0297, 17.7197, 72.1766

Protanopia

20.4209, 17.6210, 70.7315

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

20.0297, 17.7197, 72.1766

Protanomaly

20.3089, 17.7126, 71.4557

Deuteranomaly

18.5375, 17.6122, 65.3733

Tritanomaly

14.5351, 17.3654, 40.1219

Monochromacy



Original Color

20.0297, 17.7197, 72.1766

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.6660, 14.2417, 29.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0297, 17.7197, 72.1766 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(35, 114, 223)` looks like.

```
.text, #text, p{  
    color:rgb(35, 114, 223)  
}
```

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(35, 114, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 114, 223) }
```

Border

The CSS property to change the border of an element to XYZ 20.0297, 17.7197, 72.1766 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(35, 114, 223) }
```


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

```
.border{ border-color:rgb(35, 114, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 114, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 114, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 114, 223);  
box-shadow:4px 4px 4px 4px rgb(35, 114,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0297, 17.7197, 72.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 114, 223) }
```

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

```
.background{ background-color: rgb(35, 114,  
223) }
```

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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