

Converting Colors

XYZ(20.0776, 20.0467, 65.1037)

Have a look what the booklet for
XYZ(20.0776, 20.0467, 65.1037)
contains.

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Color

**XYZ(20.0721, 20.0502,
65.0995)**

Conversions

Conversions Part 1

Format	Color
Hex	247ED4
RGB	36, 126, 212
RGB Percent	14%, 49%, 83%
CMY	0.8587, 0.5059, 0.1686
CMYK	0.83, 0.41, 0.00, 0.17
HSL	209°, 71%, 49%
HSV	209°, 83%, 83%
XYZ	20.0721, 20.0502, 65.0995
YIQ	108.8940, -81.2460, 7.6660

Conversions

Conversions Part 2

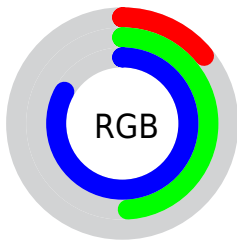
Format	Color
R _Y B	36, 96, 212
Decimal	2391764
CIE Lab	51.89, 5.11, -51.43
CIE LCh	52, 51.682, 275.670
Yxy	20.0502, 0.1908, 0.1906
Android (android.graphics.Color)	4280581844 (0xFF247ED4)
YUV	108.8940, 50.8313, -63.9280
Hunter-Lab	44.7774, 1.6545, -54.8543

Details

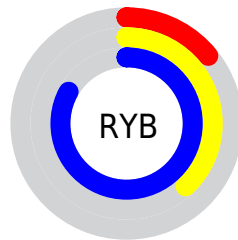
The XYZ color **20.0721, 20.0502, 65.0995** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **34.4323, 28.0486, 5.2698**, and the grayscale version is **14.3848, 15.1339, 16.4808**.

A 20% lighter version of the original color is **40.5259, 42.4403, 100.6636**, and **8.8102, 7.8831, 32.9555** is the 20% darker color. If you saturate the color by 10%, you get **18.2819, 17.2616, 64.6561**, and if you desaturate by 10%, it is **22.4387, 23.3400, 65.6102**.

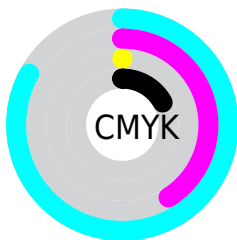
Distribution



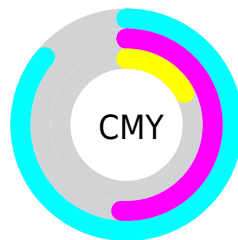
- Red (14%)
- Green (49%)
- Blue (83%)



- Red (14%)
- Yellow (38%)
- Blue (83%)



- Cyan (83%)
- Magenta (41%)
- Yellow (0%)
- Black (17%)



- Cyan (86%)
- Magenta (51%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0721, 20.0502, 65.0995 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 20.0721, 20.0502, 65.0995 by changing the saturation by 10% instead.

■ 20.0721, 20.0502,
65.0995

■ 20.0721, 20.0502,
65.0995

245.1313,
252.1867, 461.4654

■ 12.5560, 12.4315,
47.0899

■ 43.0411, 43.5013,
113.8075

■ 7.1984, 7.0383,
32.7519

■ 59.2246, 60.1026,
145.3431

■ 3.6339, 3.4861,
21.6669

■ 79.0281, 80.4668,
182.2243

■ 1.4972, 1.3904,
13.4164

■ 102.8169,
104.9785, 224.8699

■ 0.3239, 0.2097,
7.5818

■ 130.9562,
134.0219, 273.6982

■ 0.0000, 0.0000,
3.7446

163.8115,

■ 0.0000, 0.0000,

167.9815, 329.1279

1.4863

201.7480,
207.2416, 391.5774

■ 0.0000, 0.0000,
0.2077

■ 0.0000, 0.0000,
0.0000

■ 20.0721, 20.0502,
65.0995

■ 20.0721, 20.0502,
65.0995

■ 18.2819, 17.2616,
64.6561

■ 22.4387, 23.3400,
65.6102

■ 17.2884, 15.5628,
64.3805

■ 25.4506, 27.1718,
66.1911

■ 29.1681, 31.5827,
66.8465

■ 33.6435, 36.6050,
67.5801

■ 38.9235, 42.2681,
68.3949

■ 45.0510, 48.5991,
69.2939

■ 52.0654, 55.6232,
70.2800

■ 60.0037, 63.3644,
71.3558

■ 68.9006, 71.8451,
72.5238

Harmonies

Analogous

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



15.1926, 20.0502, 60.2003



20.0721, 20.0502, 65.0995



25.5717, 20.0502, 54.7557

Triad

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



20.0721, 20.0502, 65.0995



28.4927, 20.0502, 8.9383



11.2582, 20.0502, 11.9536

Complementary

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



20.0721, 20.0502, 65.0995



34.4323, 28.0486, 5.2698

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.



13.7551, 20.0502, 5.7584



20.0721, 20.0502, 65.0995



23.5269, 20.0502, 4.6616

Square

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



20.0721, 20.0502, 65.0995



30.9735, 20.0502, 19.0973



18.0769, 20.0502, 3.8473



10.6721, 20.0502, 24.8144

Rectangle

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



20.0721, 20.0502, 65.0995



28.6700, 20.0502, 42.5364



18.0769, 20.0502, 3.8473



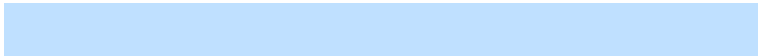
11.8762, 20.0502, 9.2471

Sweetspot

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



20.0729, 20.0508, 65.1000



66.2131, 71.5574, 104.9299



27.7278, 48.8451, 26.0806



13.4554, 14.5779, 22.3546



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.



20.0729, 20.0508, 65.1000



26.0838, 23.2877, 97.7279



13.3360, 6.5769, 62.8544



12.2623, 13.0481, 15.8098



10.7736, 9.8090, 39.7786



0.7326, 0.7572, 2.4268

Inverse Universe

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



31.5490, 16.7665, 21.3123



45.2951, 22.8820, 23.2839



50.2874, 59.7588, 10.5548



12.6856, 12.5257, 14.2847



18.4969, 9.3351, 9.9205



1.1574, 0.5798, 0.8183

Previews

White Background



This preview shows how the XYZ color 20.0721, 20.0502, 65.0995 looks on a white 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

Black Background



This preview shows how the XYZ color 20.0721, 20.0502, 65.0995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

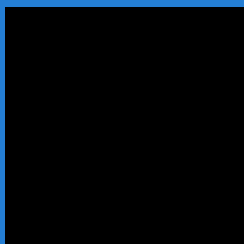
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

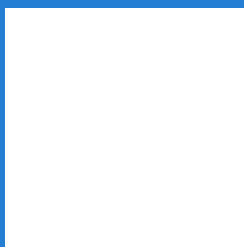
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0721, 20.0502, 65.0995

Background



This preview shows how black text looks on a background with the XYZ color 20.0721, 20.0502, 65.0995.



This preview shows how white text looks on a background with the XYZ color 20.0721, 20.0502,

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

20.0721, 20.0502, 65.0995

Protanopia

21.7875, 19.9154, 61.0883

Deuteranopia

20.5595, 19.9257, 65.0498



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

20.0721, 20.0502, 65.0995

Protanomaly

20.7286, 19.7021, 62.3849

Deuteranomaly

20.3896, 20.0250, 65.0779

Tritanomaly

15.9042, 19.8009, 41.5118

Monochromacy



Original Color

20.0721, 20.0502, 65.0995

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7987, 16.1306, 29.5277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0721, 20.0502, 65.0995 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(36, 126, 212)` looks like.

```
.text, #text, p{  
    color:rgb(36, 126, 212)  
}
```

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(36, 126, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 126, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.0721, 20.0502, 65.0995 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(36, 126, 212) }
```


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

```
.border{ border-color:rgb(36, 126, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 126, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 126, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 126, 212);  
box-shadow:4px 4px 4px 4px rgb(36, 126,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0721, 20.0502, 65.0995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 126, 212) }
```

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

```
.background{ background-color: rgb(36, 126,  
212) }
```

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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