

Converting Colors

XYZ(24.1078, 20.0454, 86.7414)

Have a look what the booklet for
XYZ(24.1078, 20.0454, 86.7414)
contains.

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Color

**XYZ(24.0756, 20.0032,
86.5965)**

Conversions

Conversions Part 1

Format	Color
Hex	3975F2
RGB	57, 117, 242
RGB Percent	22%, 46%, 95%
CMY	0.7764, 0.5412, 0.0510
CMYK	0.76, 0.52, 0.00, 0.05
HSL	221°, 88%, 59%
HSV	221°, 76%, 95%
XYZ	24.0756, 20.0032, 86.5965
YIQ	113.3100, -75.8850, 26.1550

Conversions

Conversions Part 2

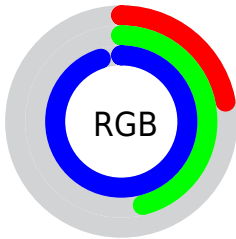
Format	Color
R _Y B	57, 102, 242
Decimal	3765746
CIE Lab	51.84, 23.94, -68.33
CIE LCh	52, 72.407, 289.310
Yxy	20.0032, 0.1842, 0.1531
Android (android.graphics.Color)	4281955826 (0xFF3975F2)
YUV	113.3100, 63.4442, -49.3839
Hunter-Lab	44.7249, 17.8186, -83.4899

Details

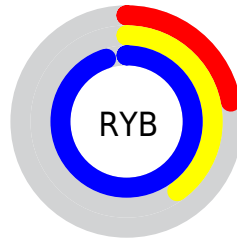
The XYZ color **24.0756, 20.0032, 86.5965** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **54.0880, 52.6347, 11.1815**, and the grayscale version is **15.6231, 16.4367, 17.8996**.

A 20% lighter version of the original color is **41.1059, 39.8924, 100.1412**, and **10.9471, 7.8831, 46.8436** is the 20% darker color. If you saturate the color by 10%, you get **21.2679, 15.9702, 85.9665**, and if you desaturate by 10%, it is **27.8747, 25.0415, 87.3693**.

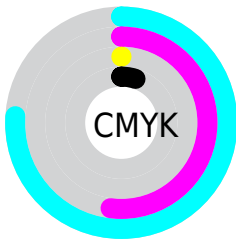
Distribution



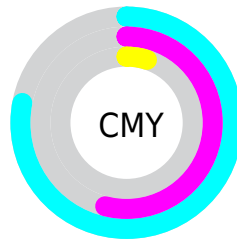
- Red (22%)
- Green (46%)
- Blue (95%)



- Red (22%)
- Yellow (40%)
- Blue (95%)



- Cyan (76%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)



- Cyan (78%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0756, 20.0032, 86.5965 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 24.0756, 20.0032, 86.5965 by changing the saturation by 10% instead.

■ 24.0756, 20.0032,
86.5965

■ 24.0756, 20.0032,
86.5965

265.6358,
251.9324, 537.1778

■ 15.5148, 12.3974,
64.6036

■ 49.6073, 43.4225,
144.4955

■ 9.2701, 7.0149,
46.6904

■ 67.3089, 60.0049,
181.2387

■ 4.9763, 3.4714,
32.4384

■ 88.7881, 80.3481,
223.7358

■ 2.2680, 1.3825,
21.4290

■ 114.4103,
104.8367, 272.4052

■ 0.7782, 0.2038,
13.2437

144.5408,
133.8551, 327.6656

■ 0.0000, 0.0000,
7.4638

179.5450,

■ 0.0000, 0.0000,

167.7875, 389.9355

3.6710

219.7882,
207.0185, 459.6334

■ 0.0000, 0.0000,
1.4467

■ 0.0000, 0.0000,
0.1777

■ 24.0756, 20.0032,
86.5965

■ 24.0756, 20.0032,
86.5965

■ 21.2679, 15.9702,
85.9665

■ 27.8747, 25.0415,
87.3693

■ 19.3282, 12.8530,
85.4671

■ 32.7610, 31.1581,
88.2923

■ 18.7853, 11.9273,
85.3170

■ 38.8207, 38.4198,
89.3746

■ 46.1304, 46.8870,
90.6237

■ 54.7595, 56.6156,
92.0467

■ 64.7723, 67.6573,
93.6502

■ 76.2285, 80.0612,
95.4406

■ 89.1845, 93.8735,
97.4238

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



16.5111, 20.0032, 90.6060



24.0756, 20.0032, 86.5965



31.8579, 20.0032, 60.2257

Triad

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



24.0756, 20.0032, 86.5965



29.7868, 20.0032, 3.2538



8.2372, 20.0032, 15.1058

Complementary

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



24.0756, 20.0032, 86.5965



54.0880, 52.6347, 11.1815

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.



10.1883, 20.0032, 4.6205



24.0756, 20.0032, 86.5965



21.7544, 20.0032, 1.3090

Square

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



24.0756, 20.0032, 86.5965



35.6986, 20.0032, 10.9558



14.7141, 20.0032, 1.5656



8.5558, 20.0032, 38.0803

Rectangle

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



24.0756, 20.0032, 86.5965



35.5218, 20.0032, 39.4242



14.7141, 20.0032, 1.5656



8.6243, 20.0032, 10.3870

Sweetspot

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



24.0766, 20.0037, 86.5971



65.3005, 67.7916, 104.2511



41.7132, 67.6840, 54.2268



13.1449, 13.5860, 22.1795



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.



24.0766, 20.0037, 86.5971



22.5730, 15.8255, 96.4727



21.5008, 11.4056, 85.0732



15.3158, 16.0657, 20.0154



10.2015, 6.6273, 45.8694



0.9357, 0.7254, 3.8449

Inverse Universe

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



41.2929, 23.0894, 19.1100



43.6305, 22.6278, 13.2492



59.4038, 77.6741, 15.7344



15.9841, 15.8433, 17.4724



20.4749, 10.4624, 5.1513



1.7472, 0.8879, 0.6598

Previews

White Background



This preview shows how the XYZ color 24.0756, 20.0032, 86.5965 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 24.0756, 20.0032, 86.5965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

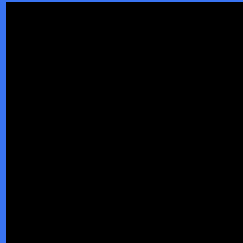
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

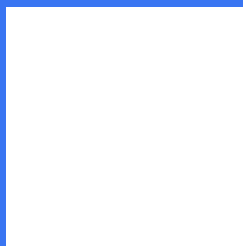
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0756, 20.0032, 86.5965

Background



This preview shows how black text looks on a background with the XYZ color 24.0756, 20.0032, 86.5965.



This preview shows how white text looks on a background with the XYZ color 24.0756, 20.0032,

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

24.0756, 20.0032, 86.5965

Protanopia

23.7220, 19.9599, 88.1903

Deuteranopia

19.9885, 19.7292, 69.0843



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

24.0756, 20.0032, 86.5965

Protanomaly

23.8284, 20.0323, 87.4047

Deuteranomaly

21.1339, 19.6245, 75.3471

Tritanomaly

16.5000, 19.1961, 46.5516

Monochromacy



Original Color

24.0756, 20.0032, 86.5965

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.8767, 16.8998, 35.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0756, 20.0032, 86.5965 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(57, 117, 242)` looks like.

```
.text, #text, p{  
  color:rgb(57, 117, 242)  
}
```

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(57, 117, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 117, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.0756, 20.0032, 86.5965 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(57, 117, 242) }
```


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

```
.border{ border-color:rgb(57, 117, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 117, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 117, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 117, 242);  
box-shadow:4px 4px 4px 4px rgb(57, 117,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0756, 20.0032, 86.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 117, 242) }
```

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

```
.background{ background-color: rgb(57, 117,  
242) }
```

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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