

Converting Colors

XYZ(24.3524, 20.5239, 93.0387)

Have a look what the booklet for
XYZ(24.3524, 20.5239, 93.0387)
contains.

XYZ(24.3727, 20.5417, 93.1229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3727, 20.5417,
93.1229)**

Conversions

Conversions Part 1

Format	Color
Hex	1978FA
RGB	25, 120, 250
RGB Percent	10%, 47%, 98%
CMY	0.9018, 0.5294, 0.0196
CMYK	0.90, 0.52, 0.00, 0.02
HSL	215°, 96%, 54%
HSV	215°, 90%, 98%
XYZ	24.3727, 20.5417, 93.1229
YIQ	106.4150, -98.3500, 20.2900

Conversions

Conversions Part 2

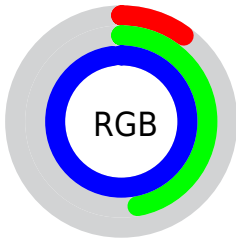
Format	Color
R _Y B	25, 92, 250
Decimal	1669370
CIE Lab	52.44, 22.64, -71.84
CIE LCh	52, 75.319, 287.492
Yxy	20.5417, 0.1766, 0.1488
Android (android.graphics.Color)	4279859450 (0xFF1978FA)
YUV	106.4150, 70.7874, -71.4010
Hunter-Lab	45.3230, 16.6743, -90.0943

Details

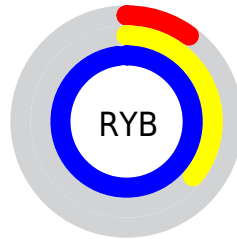
The XYZ color **24.3727, 20.5417, 93.1229** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **51.3283, 43.8501, 6.6805**, and the grayscale version is **13.6478, 14.3585, 15.6364**.

A 20% lighter version of the original color is **39.8154, 40.0588, 100.2414**, and **11.8970, 8.5709, 50.8965** is the 20% darker color. If you saturate the color by 10%, you get **22.3640, 17.1186, 92.5686**, and if you desaturate by 10%, it is **27.1597, 24.7552, 93.7898**.

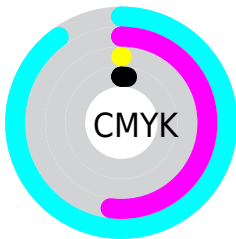
Distribution



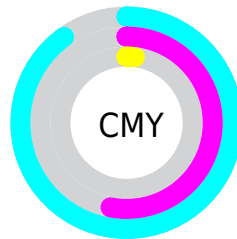
- Red (10%)
- Green (47%)
- Blue (98%)



- Red (10%)
- Yellow (36%)
- Blue (98%)



- Cyan (90%)
- Magenta (52%)
- Yellow (0%)
- Black (2%)



- Cyan (90%)
- Magenta (53%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3727, 20.5417, 93.1229 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 24.3727, 20.5417, 93.1229 by changing the saturation by 10% instead.

■ 24.3727, 20.5417,
93.1229

■ 24.3727, 20.5417,
93.1229

267.1050,
254.8328, 558.9681

■ 15.7366, 12.7894,
69.9854

■ 50.0880, 44.3235,
153.6419

■ 9.4276, 7.2837,
51.0379

■ 67.8978, 61.1219,
191.8606

■ 5.0804, 3.6401,
35.8618

■ 89.4962, 81.7044,
235.9433

■ 2.3298, 1.4744,
24.0387

■ 115.2487,
106.4554, 286.3088

■ 0.8098, 0.2706,
15.1498

■ 145.5204,
135.7593, 343.3754

■ 0.0000, 0.0000,
8.7768

180.6768,

■ 0.0000, 0.0000,

170.0006, 407.5619

4.5011

221.0832,
209.5636, 479.2866

■ 0.0000, 0.0000,
1.9041

■ 0.0000, 0.0000,
0.4953

■ 24.3727, 20.5417,
93.1229

■ 24.3727, 20.5417,
93.1229

■ 22.3640, 17.1186,
92.5686

■ 27.1597, 24.7552,
93.7898

■ 22.3613, 17.1138,
92.5678

■ 30.8907, 29.8609,
94.5787

■ 35.6730, 35.9292,
95.4979

■ 41.5967, 43.0214,
96.5547

■ 48.7414, 51.1923,
97.7552

■ 57.1790, 60.4921,
99.1056

■ 66.9756, 70.9677,
100.6112

■ 78.1922, 82.6627,
102.2774

■ 90.8862, 95.6186,
104.1091

Harmonies

Analogous

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



16.4614, 20.5417, 95.6398



24.3727, 20.5417, 93.1229



32.7528, 20.5417, 65.5779

Triad

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



24.3727, 20.5417, 93.1229



31.4717, 20.5417, 3.3202



8.2618, 20.5417, 14.3143

Complementary

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



24.3727, 20.5417, 93.1229



51.3283, 43.8501, 6.6805

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.



10.4451, 20.5417, 4.1146



24.3727, 20.5417, 93.1229



22.9453, 20.5417, 1.1974

Square

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



24.3727, 20.5417, 93.1229



37.5413, 20.5417, 11.8055



15.3657, 20.5417, 1.3396



8.4529, 20.5417, 37.8663

Rectangle

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



24.3727, 20.5417, 93.1229



36.8534, 20.5417, 43.0929



15.3657, 20.5417, 1.3396



8.7117, 20.5417, 9.6514

Sweetspot

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



24.3737, 20.5422, 93.1235



62.6909, 66.3874, 104.1176



40.2976, 70.8628, 41.4822



12.7085, 13.4423, 22.1748



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.



24.3737, 20.5422, 93.1235



23.3748, 17.8696, 96.8249



18.4803, 8.0509, 91.0230



16.8852, 17.8473, 21.9402



11.9962, 9.3480, 49.1456



1.2134, 1.0705, 4.5859

Inverse Universe

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



43.1632, 22.3771, 19.8135



43.9277, 22.3351, 16.0833



68.6237, 86.1047, 13.9249



17.5486, 17.3468, 19.4787



22.3471, 11.3546, 8.5365



2.1214, 1.0723, 1.0627

Previews

White Background



This preview shows how the XYZ color 24.3727, 20.5417, 93.1229 looks on a white background.

Color Contrast Check

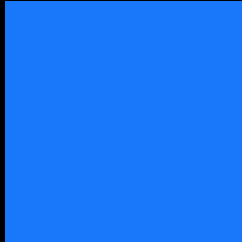
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3727, 20.5417, 93.1229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

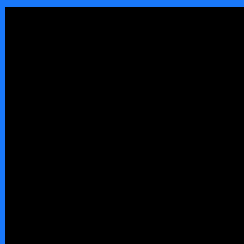
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

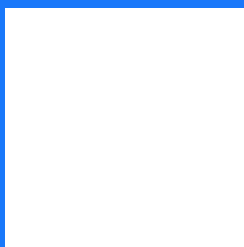
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3727, 20.5417, 93.1229

Background



This preview shows how black text looks on a background with the XYZ color 24.3727, 20.5417, 93.1229.



This preview shows how white text looks on a background with the XYZ color 24.3727, 20.5417,

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

24.3727, 20.5417, 93.1229

Protanopia

24.5990, 20.6584, 93.1334

Deuteranopia

20.5076, 20.3461, 70.5565



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

24.3727, 20.5417, 93.1229

Protanomaly

24.5072, 20.6111, 93.1291

Deuteranomaly

21.7441, 20.2429, 78.3625

Tritanomaly

16.8807, 19.7514, 48.2701

Monochromacy



Original Color

24.3727, 20.5417, 93.1229

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.9166, 15.4153, 34.5370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3727, 20.5417, 93.1229 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(25, 120, 250)` looks like.

```
.text, #text, p{  
    color:rgb(25, 120, 250)  
}
```

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(25, 120, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 120, 250) }
```

Border

The CSS property to change the border of an element to XYZ 24.3727, 20.5417, 93.1229 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(25, 120, 250) }
```


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

```
.border{ border-color:rgb(25, 120, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 120, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 120, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 120, 250);  
box-shadow:4px 4px 4px 4px rgb(25, 120,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3727, 20.5417, 93.1229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 120, 250) }
```

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

```
.background{ background-color: rgb(25, 120,  
250) }
```

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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